

**Table 2. Basolateral Proteins with Significantly Altered Expression in DA versus PBS**

<b>Primary Protein Name</b>	<b>Protein Description</b>	<b>Peptide Count</b>	<b>%CV QC</b>	<b>Fold Change DA versus PBS</b>	<b>t test Pvalue</b>	<b>t test Pvalue w/FDR Correction</b>
A2ML1_HUMAN	$\alpha$ -2-macroglobulin-like protein 1	7	16.6	11.9	0.011	0.099
UPAR_HUMAN	Urokinase plasminogen activator surface receptor	3	26.2	10.5	0.009	0.095
ECM1_HUMAN	Extracellular matrix protein 1	24	10.5	9.9	0.001	0.061
PRS27_HUMAN	Serine protease 27	3	11.1	9.2	0.011	0.099
DAF_HUMAN	Complement decay-accelerating factor	4	3.1	8.8	0.008	0.094
EPHA2_HUMAN	Ephrin type-A receptor 2	6	15.1	6.4	0.001	0.061
TIMP1_HUMAN	Metalloproteinase inhibitor 1	5	7.0	5.7	0.001	0.067
ZG16B_HUMAN	Zymogen granule protein 16 homolog B	3	12.7	5.2	0.003	0.083
PCDGK_HUMAN	Protocadherin $\gamma$ -C3	2	9.8	4.6	0.010	0.099
GOLM1_HUMAN	Golgi membrane protein 1	8	4.2	4.5	0.005	0.090
IL36G_HUMAN	Interleukin-36 $\gamma$	3	10.3	4.5	0.008	0.094
BSSP4_HUMAN	Brain-specific serine protease 4	4	12.4	4.5	0.001	0.067
DNJA4_HUMAN	DnaJ homolog subfamily A member 4	2	13.0	4.4	0.003	0.083
MARCS_HUMAN	Myristoylated alanine-rich C-kinase substrate	8	10.5	4.2	0.003	0.083
CAP1_HUMAN	Adenylyl cyclase-associated protein 1	7	2.3	4.1	0.008	0.094
VASN_HUMAN	Vasorin	7	2.8	4.0	0.010	0.099
PSCA_HUMAN	Prostate stem cell antigen	3	10.5	4.0	0.002	0.075
NRP1_HUMAN	Neuropilin-1	3	24.1	4.0	0.006	0.094

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DDAH1_HUMAN	N(G) N(G)-dimethylarginine dimethylaminohydrolase 1	4	13.8	3.8	0.003	0.083
KLK10_HUMAN	Kallikrein-10	6	15.8	3.7	0.005	0.093
BASP1_HUMAN	Brain acid soluble protein 1	10	11.3	3.7	0.003	0.083
CXL16_HUMAN	C-X-C motif chemokine 16	2	10.8	3.6	0.005	0.090
EFNB1_HUMAN	Ephrin-B1	4	16.5	3.6	0.004	0.090
PCDH1_HUMAN	Protocadherin-1	13	9.3	3.6	0.000	0.061
GPX3_HUMAN	Glutathione peroxidase 3	5	9.0	3.4	0.009	0.099
VSIG2_HUMAN	V-set and immunoglobulin domain-containing protein 2	2	5.6	3.4	0.008	0.094
S100P_HUMAN	Protein S100-P	4	8.0	3.4	0.007	0.094
EPCR_HUMAN	Endothelial protein C receptor	4	10.4	3.3	0.011	0.099
GRN_HUMAN	Granulins	12	6.9	3.3	0.000	0.008
LAYN_HUMAN	Layilin	6	2.0	3.2	0.001	0.068
CATD_HUMAN	Cathepsin D	14	6.7	3.2	0.003	0.083
GDF15_HUMAN	Growth/differentiation factor 15	11	11.0	3.2	0.001	0.067
TIMP2_HUMAN	Metalloproteinase inhibitor 2	8	10.4	3.1	0.004	0.090
LRRF1_HUMAN	Leucine-rich repeat flightless-interacting protein 1	3	6.8	3.1	0.007	0.094
VIME_HUMAN	Vimentin	8	10.4	3.0	0.001	0.061
SPIT1_HUMAN	Kunitz-type protease inhibitor 1	27	7.0	3.0	0.003	0.083
SEM7A_HUMAN	Semaphorin-7A	6	15.9	3.0	0.000	0.004

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PIP_HUMAN	Prolactin-inducible protein	9	15.7	2.9	0.006	0.094
CATB_HUMAN	Cathepsin B	17	11.7	2.7	0.001	0.070
SPIT2_HUMAN	Kunitz-type protease inhibitor 2	2	15.3	2.6	0.001	0.067
APLP2_HUMAN	Amyloid-like protein 2	8	10.5	2.5	0.007	0.094
MMP14_HUMAN	Matrix metalloproteinase-14	5	9.5	2.3	0.011	0.099
DIAC_HUMAN	Di-N-acetylchitobiase	5	17.9	2.3	0.008	0.094
PNPH_HUMAN	Purine nucleoside phosphorylase	5	26.0	2.3	0.011	0.099
QSOX1_HUMAN	Sulfhydryl oxidase 1	18	3.9	2.2	0.002	0.075
RBSK_HUMAN	Ribokinase	2	16.7	2.2	0.001	0.061
TXND5_HUMAN	Thioredoxin domain-containing protein 5	7	6.4	2.1	0.011	0.099
MMP9_HUMAN	Matrix metalloproteinase-9	16	10.6	2.1	0.010	0.099
A4_HUMAN	Amyloid $\beta$ A4 protein	13	19.6	2.0	0.003	0.083
HEBP2_HUMAN	Heme-binding protein 2	9	9.4	2.0	0.003	0.083
CAH13_HUMAN	Carbonic anhydrase 13	2	19.9	2.0	0.002	0.072
CYTB_HUMAN	Cystatin-B	10	11.6	1.9	0.005	0.092
TRXR1_HUMAN	Thioredoxin reductase 1 cytoplasmic	5	19.6	1.9	0.010	0.099
TRFE_HUMAN	Serotransferrin	36	5.8	1.8	0.002	0.082
CPPED_HUMAN	Calcineurin-like phosphoesterase domain-containing protein 1	4	23.6	1.8	0.007	0.094
DDR1_HUMAN	Epithelial discoidin domain-containing receptor 1	9	9.2	1.8	0.008	0.094
NEO1_HUMAN	Neogenin	8	5.6	1.8	0.010	0.099

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GDIR2_HUMAN	Rho GDP-dissociation inhibitor 2	2	24.7	1.7	0.007	0.094
AATM_HUMAN	Aspartate aminotransferase mitochondrial	15	11.6	1.7	0.011	0.099
GLRX1_HUMAN	Glutaredoxin-1	3	12.0	1.7	0.008	0.094
K22E_HUMAN	Keratin type II cytoskeletal 2 epidermal	10	3.7	1.7	0.006	0.094
SPTB2_HUMAN	Spectrin $\beta$ chain brain 1	7	12.9	1.6	0.011	0.099
PSB6_HUMAN	Proteasome subunit- $\beta$ type 6	4	6.0	1.4	0.011	0.099
PSB1_HUMAN	Proteasome subunit- $\beta$ type 1	4	25.7	1.2	0.001	0.068
THOP1_HUMAN	Thimet oligopeptidase	4	5.7	-1.3	0.009	0.094
ACPH_HUMAN	Acylamino-acid-releasing enzyme	7	8.7	-1.4	0.006	0.094
PTPRF_HUMAN	Receptor-type tyrosine-protein phosphatase F	14	9.9	-1.7	0.005	0.090
ADH7_HUMAN	Alcohol dehydrogenase class 4 $\mu/\sigma$ chain	18	8.6	-1.9	0.007	0.094
DDB1_HUMAN	DNA damage-binding protein 1	13	9.8	-1.9	0.003	0.083
HIBCH_HUMAN	3-hydroxyisobutyryl-CoA hydrolase mitochondrial	3	5.6	-2.1	0.005	0.090
INO1_HUMAN	Inositol-3-phosphate synthase 1	3	4.6	-2.2	0.007	0.094
BCAM_HUMAN	Basal cell adhesion molecule	14	8.7	-2.2	0.007	0.094
H2A1B_HUMAN	Histone H2A type 1-B/E	6	9.0	-2.9	0.007	0.094
RCC2_HUMAN	Regulator of chromosome condensation 2	10	9.2	-3.1	0.006	0.094
RNAS4_HUMAN	RNase 4	3	2.6	-3.3	0.006	0.094

Primary Protein Name	Protein Description	Peptide Count	%CV QC	Fold Change DA versus PBS	t test Pvalue	t test Pvalue w/FDR Correction
FBLN3_HUMAN	EGF-containing fibulin-like extracellular matrix protein 1	12	8.9	-3.4	0.008	0.094
GLNA_HUMAN	Glutamine synthetase	6	15.9	-3.6	0.007	0.094
EGFR_HUMAN	Epidermal growth factor receptor	3	10.0	-3.7	0.004	0.090
GPNMB_HUMAN	Transmembrane glycoprotein NMB	3	9.5	-3.7	0.004	0.090
CO7A1_HUMAN	Collagen $\alpha$ -1(VII) chain	8	14.2	-3.8	0.009	0.094
CO5A2_HUMAN	Collagen $\alpha$ -2(V) chain	2	23.6	-3.9	0.005	0.090
LEG7_HUMAN	Galectin-7	13	10.3	-3.9	0.011	0.099
CO1A1_HUMAN	Collagen $\alpha$ -1(I) chain	3	9.8	-4.1	0.009	0.094
PHYD1_HUMAN	Phytanoyl-CoA dioxygenase domain-containing protein 1	2	17.0	-4.1	0.006	0.094
C1S_HUMAN	Complement C1s subcomponent	2	2.5	-4.1	0.003	0.083
C1R_HUMAN	Complement C1r subcomponent	7	6.1	-4.2	0.002	0.082
EPHB2_HUMAN	Ephrin type-B receptor 2	5	2.5	-4.2	0.001	0.067
LMNB2_HUMAN	Lamin-B2	7	24.0	-4.7	0.008	0.094
IBP7_HUMAN	Insulin-like growth factor-binding protein 7	22	13.8	-5.0	0.000	0.008
XRCC6_HUMAN	X-ray repair cross-complementing protein 6	2	11.6	-6.2	0.004	0.089
CELR1_HUMAN	Cadherin EGF LAG seven-pass G-type receptor 1	2	9.8	-17.4	0.012	0.099
IMPA2_HUMAN	Inositol monophosphatase 2	2	11.8	-31.9	0.001	0.067

*Definition of abbreviations:* CoA, co-enzyme A; CV, coefficient of variation; DA, diacetyl; EGF, epidermal growth factor; FDR, false discovery rate; GDP, guanosine 5'-diphosphate; LAG, laminin-G; NMB, neuromedin-B; QC, quality control.