

**Table 3. Protein Signature of Squamous Differentiation<sup>a</sup>**

primary protein name	protein description	fold-change donor 1 DA vs PBS	average fold-change donors 2–4 DA vs PBS	paired <i>t</i> test	paired <i>t</i> test FDR
ISK7_HUMAN	serine protease inhibitor kazal-type 7	-1.1	25.1	0.17	0.29
RPTN_HUMAN	repetin	1.1	21.3	0.06	0.14
ECM1_HUMAN	extracellular matrix protein 1	6.7	12.1	0.01	0.05
SPR2B_HUMAN	small proline-rich protein 2B	-1.5	11.6	0.12	0.23
SPR2A_HUMAN	small proline-rich protein 2A	2.8	8.6	0.01	0.06
IL36A_HUMAN	interleukin-36 alpha	-1.5	8.5	0.12	0.23
CRNN_HUMAN	cornulin	1.2	6.5	0.06	0.15
TGM1_HUMAN	protein-glutamine gamma-glutamyltransferase K	2.6	6.3	0.01	0.05
SPRR3_HUMAN	small proline-rich protein 3	2.4	6.2	0.01	0.07
INVO_HUMAN	involucrin	-1.2	5.5	0.09	0.19
CI169_HUMAN	UPF0574 protein C9orf169	3.2	4.5	0.00	0.03
HSPB8_HUMAN	heat shock protein beta-8	1.2	4.3	0.04	0.12
SPR1A_HUMAN	cornifin-A	1.2	3.2	0.04	0.11
ABHD5_HUMAN	1-acylglycerol-3-phosphate O-acyltransferase 5	2.0	3.1	0.00	0.04
S10AG_HUMAN	protein S100-A16	1.8	3.0	0.01	0.05
SCEL_HUMAN	sciellin	1.1	3.0	0.05	0.14
SPR1B_HUMAN	cornifin-B	1.2	2.8	0.03	0.10
ST2B1_HUMAN	sulfotransferase family cytosolic 2B member 1	-1.3	2.5	0.13	0.24

<sup>a</sup>Proteins ranked by average fold change in donors 2–4 in DA- versus PBS-treated HBECs (quantified by 2 or more peptides, CV < 30% for replicate injections of QC pool; required >2-fold change for donors 2–4).