

## Product datasheet for PH306988

### CD244 (NM\_016382) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | CD244 MS Standard C13 and N15-labeled recombinant protein (NP_057466)  |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC206988   |
| Predicted MW:                         | 41.1 kDa   |
| Protein Sequence:                     | >RC206988 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MLGQVVTLLLLLLLVYQKQKGCQSADHVVSISGVPLQLQPNSIQTKVDSIAWKKLLPSQNGFHHILKWE<br>NGSLPNTSNDRFSEIVKNLSLLIKAAQQQDGLYCLEVTSISGKVQTATFQVVFVDKVEKPRLQGGQKI<br>LDRGRCQVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEVDINGHTHTYTCVSNPVSWSHTLNL<br>QDCQNAHQEFRFWPFLLVIVILSALFLGTLACFCVWRRKRKEKQSETSPKEFLTIYEDVKDLKTRRNEQ<br>EQTFPGGGSTIYSMIQSQSSAPTSQEPAYTLYSLIQPSRKSRSRKRNHSPSFNSTIYEVIGKSQPKAQN<br>ARLSRKELENFDVYS<br><br>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Tag:                                  | C-Myc/DDK  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method:                      | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:                              | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:                            | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| RefSeq:                               | <u>NP_057466</u>   |
| RefSeq Size:                          | 2528   |
| RefSeq ORF:                           | 1095   |
| Synonyms:                             | 2B4; NAIL; NKR2B4; Nmrk; SLAMF4  |
| Locus ID:                             | 51744  |



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UniProt ID: [Q9BZW8](#)

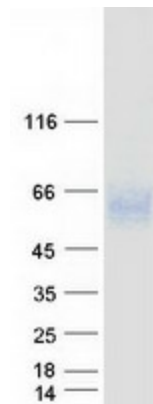
Cytogenetics: 1q23.3

**Summary:** This gene encodes a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Natural killer cell mediated cytotoxicity

### Product images:



Coomassie blue staining of purified CD244 protein (Cat# [TP306988]). The protein was produced from HEK293T cells transfected with CD244 cDNA clone (Cat# [RC206988]) using MegaTran 2.0 (Cat# [TT210002]).