

## Product datasheet for PH318181

### CD14 (NM\_001040021) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CD14 MS Standard C13 and N15-labeled recombinant protein (NP_001035110)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218181
Predicted MW:	40.1 kDa
Protein Sequence:	>RC218181 protein sequence Red=Cloning site Green=Tags(s)
	MERASCLLLLLLPLVHVSATTPECELDEDFRCVCFSEPPQDWSEAFQCVCVSAVEVEIHAGGLNLEPFL KRVADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVLAYSRLKELTLEDLKITGMTPLPLEAT GLALSSLRLRNVSATGRSWLAELQQWLKPKLVLSIAQAHSPAFSCEQVRAFPALTSLDLSDNPGLGER GLMAALCPHKFPAIQNLALRNTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSPRCMWSSALNS LNSFAGLEQVPKGLPAKLRVLDLSCNRLNRAPQPDELPEVDNLTLDGPNPFLVPGTALPHEGSMNSGVVP ACARSTLSVGVSGTLVLLQGARGFA
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_001035110</u>
RefSeq Size:	1561
RefSeq ORF:	1125
Locus ID:	929
UniProt ID:	<u>P08571</u>



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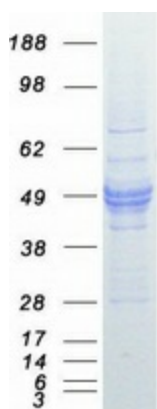
**Cytogenetics:** 5q31.3

**Summary:** The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2020]

**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Toll-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified CD14 protein (Cat# [TP318181]). The protein was produced from HEK293T cells transfected with CD14 cDNA clone (Cat# [RC218181]) using MegaTran 2.0 (Cat# [TT210002]).