

Product datasheet for **TP318181M**

CD14 (NM_001040021) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human CD14 molecule (CD14), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218181 protein sequence Red =Cloning site Green =Tags(s)

MERASCLLLLLLPLVHVSATTPEPCELDDDFRCVCNFSEPPQDWSEAFQCVS AVEVEIHAGGLNLEPFL
KRV DADADPRQYADTVKALRVRRLTVGAAQVPAQLLVGALRVLAYSRLKELTLEDLKITGMTMPPLEAT
GLALSSLRLRNVS WATGRSWLAELQQWLKPLKVL SIAQAHSPAFSCEQVRAFPA L TSLDLS DNPGLGER
GLMAALCPHKFPAIQNLALRNTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNS
LNLSFAGLEQVPKGLPAKLRVLDLSCNRLNRAPQPDELPEVDNLTL DGNPFLVPGTALPHEGSMNSGVVP
ACARSTLSVGVSGTLVLLQGARGFA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	38 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001035110</u>
Locus ID:	929



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UniProt ID: [P08571](#)

RefSeq Size: 1561

Cytogenetics: 5q31.3

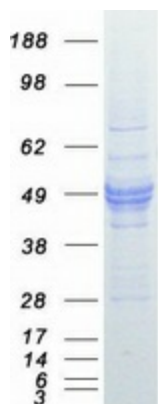
RefSeq ORF: 1125

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]).