

Recombinant Full Length Human CD14 Protein, C-Flag-tagged

Cat. No. CD14-1211HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD14 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38 kDa
AA Sequence	MERASCLLLLLPLVHVSATTPEPCELDDEDFRCVCNFSEPQPDWSEAFQCVSAVE VEIHAGGLNLEPFL KRVDADADPRQYADTVKALRVRRRLTVGAAQVPAQLLVGALRV LAYSRLKELTLEDLKITGTMPPLEAT GLALSSLRLRNVSATGRSWLAELQQWLK PGLKVLSIAQAHSPAFCSEQVRAFPALTSLDLSNPGGLGER GLMAALCPHKFPAIQN LALRNTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNS L NLSFAGLEQVPKGLPAKLRVLDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPGTAL PHEGSMNSGVVP

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	ACARSTLSVGVSGTLVLLQGARGFATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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
Full Length	Full L.

GENE INFORMATION

Gene Name	CD14 CD14 molecule [Homo sapiens (human)]
Official Symbol	CD14
Synonyms	CD14 antigen; CD14 molecule; monocyte differentiation antigen CD14
Gene ID	929

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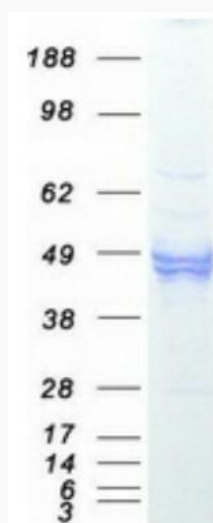
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mRNA Refseq [NM_000591.4](#)

Protein Refseq [NP_000582.1](#)

MIM [158120](#)

UniProt ID [P08571](#)



Coomassie blue staining of purified CD14 protein.

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