

Product datasheet for AR51517PU-S

CD14 (His-tag) Human Protein

Product data:

OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins	
Description:	CD14 (His-tag) human recombinant protein, 50 µg	
Species:	Human	
Expression Host:	E. coli	
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSTTPEPCE LDDEDFRCVC NFSEPQPDWS EAFQCVSAVE VEIHAGGLNL EPFLKRVDAD ADPRQYADTV KALRVRRLTV GAAQVPAQLL VGALRVLAYS RLKELTLEDL KITGTMPPLP LEATGLALSS LRLRNVSWAT GRSWLAELQQ WLKPGLKVLS IAQAHSPAFS CEQVRAFPAL TSLDLSDNPG LGERGLMAAL CPHKFPAIQN LALRNTGMET PTGVCAALAA AGVQPHSLDL SHNSLRATVN PSAPRCMWSS ALNSLNLSFA GLEQVPKGLP AKLRVLDLSC NRLNRAPQPD ELPEVDNLTL DGNPFLVPGT ALPHEGSMNS GVV	
Tag:	His-tag	
Predicted MW:	37.9 kDa	
Concentration:	lot specific	
Purity:	>90% by SDS - PAGE	
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 0.15M NaCl, 1 mM DTT	
Preparation:	Liquid purified protein	
Protein Description:	Recombinant human CD14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.	
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.	
Stability:	Shelf life: one year from despatch.	
RefSeq:	<u>NP 000582</u>	
Locus ID:	929	
UniProt ID:	<u>P08571</u>	
Cytogenetics:	5q31.3	



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	CD14 (His-tag) Human Protein – AR51517PU-S	
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 Familie	n Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transmembrane	
Protein Pathwa	ays: Hematopoietic cell lineage, MAPK signaling pathway, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton, Toll-like receptor signaling pathway	

Product images:

(kDa)	
70 57 40	==
28	-
18	-
13.5	-
8.5	-

15% SDS-PAGE (3ug)

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