

Active Recombinant Human CD14 protein, His-tagged

Cat. No. CD14-2109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD14 (Met 1-Met 344) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met 1-Met 344
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to enhance LPSstimulated IL8 secretion by THP1 human acute monocytic leukemia cells. The ED50 for this effect is typically 25-95 ng/mL.
Molecular Mass	The secreted recombinant human CD14 consists of 336 amino acids and has a predicted molecular mass of 36.5 kDa. The apparent molecular mass of rhCD14 is approximately 45 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [CD14 CD14 molecule \[Homo sapiens \]](#)

Official Symbol [CD14](#)

Synonyms CD14; CD14 molecule; CD14 antigen; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein;

Gene ID [929](#)

mRNA Refseq [NM_000591](#)

Protein Refseq [NP_000582](#)

MIM [158120](#)

UniProt ID [P08571](#)

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