

## Active Recombinant Human CD14 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CD14 (Met 1-Met 344) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met 1-Met 344
<b>Form</b>	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 97 % as determined by SDS-PAGE
<b>Storage</b>	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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