

# Recombinant Full Length Human CD14 Protein, GST-tagged

**Cat. No.** CD14-2944HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Human CD14 full-length ORF (AAH10507, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 375 amino acids                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Mar 2010]                                                              |
| <b>Molecular Mass</b>   | 66.99 kDa                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MERASCLLLLLLPLVHVSATTPEPCELDDEDFRCVCNFSEPQPDWSEAFQCVSAVE<br>VEIHAGGLNLEPFLKRVDADADPRQYADTVKALRVRRRLTVGAAQVPAQLLVGALRVL<br>AYSRLKELTLEDLKITGTMPPLEATGLALSSLRLRNVSATGRSWLAELQQWLKP<br>GLKVLSIAQAHSPAFCSEQVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPAIQDL<br>ALRNTGMETPTGVCAALAAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNL<br>SFAGLEQVPKGLPAKLRLVDLSCNRLNRAPQPDELPEVDNLTLDGNPFLVPGTALPH<br>EGSMNSGVVPACARSTLSVGVSGLTVLLQGARGFA |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array          |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                   |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                   |
| <b>GENE INFORMATION</b> |                                                                                                                            |
| <b>Gene Name</b>        | CD14 CD14 molecule [ Homo sapiens ]                                                                                        |
| <b>Official Symbol</b>  | CD14                                                                                                                       |
| <b>Synonyms</b>         | CD14; CD14 molecule; CD14 antigen; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein; |
| <b>Gene ID</b>          | 929                                                                                                                        |
| <b>mRNA Refseq</b>      | NM_000591                                                                                                                  |
| <b>Protein Refseq</b>   | NP_000582                                                                                                                  |
| <b>MIM</b>              | 158120                                                                                                                     |
| <b>UniProt ID</b>       | P08571                                                                                                                     |

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