



# Recombinant Human CD14 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06362

**Protein Name:** My23 Antigen (CD14)

**Aliases:** my23 antigen; CD14 molecule; monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein

**UniProt ID:** P08571

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P08571/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Mammalian cell

**Protein Length:** Full Length of Mature Protein (20-345aa)

**Molecular Weight:** 39.2kDa

**Protein Tag:** N-terminal 6xHis-Myc-tagged

## 2. Amino Acid Sequence (20-345aa)

TTPEPCELDDDEFRCVCFNFSEPQPDWSEAFQCVSASVEVEIHAGGLNLEPFLKRVDA  
DADPRQYADTVKALRVRRRLTVGAAQVPAQLLVGALRVLAYSRKELTLEDLKITGTM  
PPLPLEATGLALSSLRLRNVSATGRSWLAELQQWLKPKLVLSIAQAHSPAFSCE  
QVRAFPALTSLDLSDNPGLGERGLMAALCPHKFPALQNLALRNTGMETPTGVCAAL  
AAAGVQPHSLDLSHNSLRATVNPSAPRCMWSSALNSLNLSFAGLEQVPKGLPAKL  
RVLDLSCNRLNRAPQPDELPEVDNLTLGDNPFVPGTALPHEGSMN

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Human CD14 full length of mature protein protein (20-345aa) expressed in Mammalian cell. The protein is with 6xHis-Myc tag at the N-terminus, which facilitates protein purification, detection and identification. CD14, also known as my23 antigen or CD14 molecule or monocyte differentiation antigen CD14, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.