

Recombinant human CD14 protein

Catalog Number: ATGP2697

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-349aa

UniProt No.

P08571

NCBI Accession No.

NP_001167576

Alternative Names

Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein, CD14 molecule

PRODUCT SPECIFICATION

Molecular Weight

37.9 kDa (353aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol 0.15M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD14 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. Recombinant human CD14 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSTTPEPCE LDDDFRCVC NFSEPQPDWS EAFQC VSAVE VEIHAGGLNL EPFLKRV DAD

Recombinant human CD14 protein

Catalog Number: ATGP2697

ADPRQYADTV KALRVRRRLTV GAAQVPAQLL VGALRVLAYS RLKELTLEDL KITGTMPPPLP LEATGLALSS LRLRNVSWAT
GRSWLAELQQ WLKPGCLKVLS IAQAHSPAFS CEQVRAFPAL TSLDLSDNPG LGERGLMAAL CPHKFPAIQN LALRNTGMET
PTGVCAALAA AGVQPHSLDL SHNSLRATVN PSAPRCMWSS ALNSLNLSFA GLEQVPKGLP AKLRVLDLSC NRLNRAPQPD
ELPEVDNLTL DGNPFLVPGT ALPHEGSMNS GVV

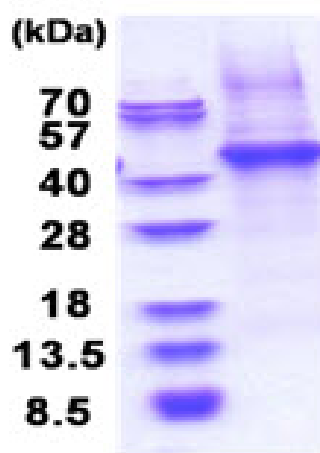
General References

Kelley S.L., et al (2013). J. Immunol. 190:1304-1311

Setoguchi M., et al (1989). Biochim. Biophys. Acta 1008:213-222

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)