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Recombinant human CD58/LFA-3 protein

Catalog Number: ATGP3693

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

29-215aa

UniProt No.

P19256

NCBI Accession No.

NP 001770

Alternative Names

Lymphocyte function-associated antigen 3 isoform 1, CD58, ag3, LFA-3, LFA3

PRODUCT SPECIFICATION

Molecular Weight

22.5 kDa (196aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

CD58, also known as lymphocyte function-associated antigen 3 isoform 1, is a cell adhesion molecule expressed on Antigen Presenting Cells (APC), particularly macrophages. It binds to CD2 (LFA-2) on T cells and is important in strengthening the adhesion between the T cells and Professional Antigen Presenting Cells. It is an important regulator of immune cell function which occurs as both surface-associated and soluble forms. It is associated



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with increased risk for multiple sclerosis. Recombinant human CD58, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

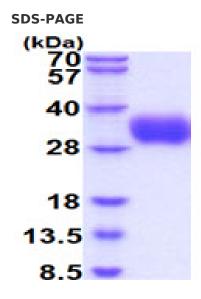
Amino acid Sequence

ADPFSQQIYG VVYGNVTFHV PSNVPLKEVL WKKQKDKVAE LENSEFRAFS SFKNRVYLDT VSGSLTIYNL TSSDEDEYEM ESPNITDTMK FFLYVLESLP SPTLTCALTN GSIEVQCMIP EHYNSHRGLI MYSWDCPMEQ CKRNSTSIYF KMENDLPQKI QCTLSNPLFN TTSSIILTTC IPSSGHSRHR HHHHHHH

General References

Abdul Razak FR., et al. (2016) Genes Immun. 17:363-366. Kirby AC., et al. (2000) Cell Adhes Commun. 7:453-464.

DATA



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

15% SDS-PAGE (3ug)