Recombinant human C1q R1/CD93 protein

Catalog Number: ATGP3395

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
22-580aa

UniProt No.
Q9NPY3

NCBI Accession No.
NP_036204

Alternative Names
Complement component C1q receptor, CD93, C1qR(P), C1QR1, C1qRP, CDw93, dJ737E23.1, ECSM3, MXRA4, C1q receptor 1, C1q/MBL/SPA receptor, C1qR, C1qR(p), C1qr1, C1QR1_HUMAN, C1qRp, CD93, CD93 antigen, CD93 molecule, CDw93, Complement component 1 q subcomponent receptor 1, Complement component C1q receptor, dJ737E23.1, ECSM3, Matrix remodeling associated protein 4, Matrix remodelling associated 4, Matrix-remodeling-associated protein 4, MXRA4

PRODUCT SPECIFICATION

Molecular Weight
59.3 kDa (567aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

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

Purity
> 90% 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

Recombinant human C1q R1/CD93 protein

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Description

CD93, also known as complement component C1q receptor, belongs to a family of transmembrane glycoproteins which also includes endosialin and thrombomodulin. It is involved in various aspects of inflammatory reactions. CD93 is expressed by vascular endothelial cells and by a variety of hematopoietic cells. It is receptor for C1q, mannose-binding lectin (MBL2) and pulmonary surfactant protein A (SPA). Recombinant human CD93, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

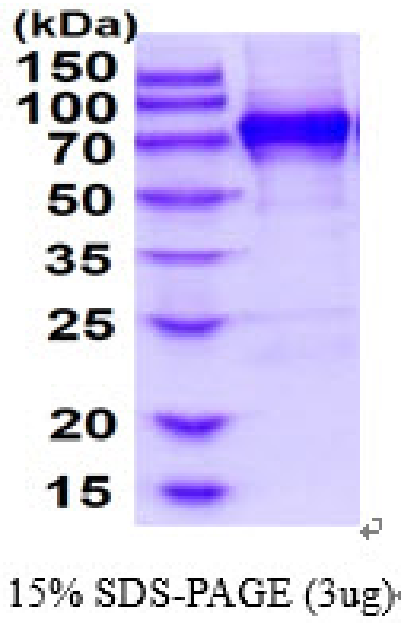
TGADTEAVVC VGTACYTAHS GKLSAAEAQN HCNQNGGNLA TVKSKEEAQH VQRVLAQLLR REAALTARMS KFWIGLQREK GKCLDPSLPL KGFSWVGGGE DTPYSNWHKE LRNSCISKRC VSLLLDLSQP LLPSRLPKWS EGPCGSPGSP GSNIEGFVCK FSFKGMCRPL ALGGPGQVTY TTPFQTTSSS LEAVPFASAA NVACGEGDKD ETQSHYFLCK EKAPDVFDWG SSGPLCVSPK YGCNFNNGGC HQDCFEGGDG SFLCGCRPGF RLLDDLVTCA SRNPCSSSPC RGGATCVLGP HGKNYTCRCP QGYQLDSSQL DCVDVDECQD SPCAQECVNT PGGFRCECWV GYEPGGPGEG ACQDVDECAL GRSPCAQGCT NTDGSFHCSC EEGYVLAGED GTQCQDVDEC VGPGGPLCDS LCFNTQGSFH CGCLPGWVLA PNGVSCTMGP VSLGPPSGPP DEEDKGEKEG STVPRAATAS PTRGPEGTPK ATPTTSRPSL SSDAPITSAP LKMLAPSGSP GVWREPSIHH ATAASGPQEP AGGDSSVATQ NNDGTDGQKV EHHHHHH

General References

McGreal EP., et al. (2002) J Immunol. 168:5222-5232.
Chevrier S., et al. (2009) Proc Natl Acad Sci USA. 106:3895-3900.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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