

Recombinant Human CD93 Protein, His-tagged

Cat. No. CD93-037H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD93 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The CD93 antigen is a 652 amino acid cell-surface glycoprotein expressed by monocytes, neutrophils, platelets, microglia, and endothelial cells. CD93 was originally thought to be a putative receptor for the complement component C1q, a serum glycoprotein which plays an integral role in the activation of the classical pathway in response to immune complexes. As a result, in the literature the CD93 gene product has also been referred to as C1QR1 and C1qRp as well as MXRA4 (matrix-remodeling-associated protein 4). Recent studies suggest that the CD93 antigen plays a role in intercellular adhesion and in clearance of apoptotic cells. CD93 is a heavily O-glycosylated, type I transmembrane protein consisting of an N-terminal domain with homology to C-type Lectin domains, a tandem array of EGF-like domains, a single transmembrane domain and a short cytoplasmic tail.
Molecular Mass	~62 kDa
AA Sequence	ADTEAVVCVGTACYTAHSGKLSAAEAQNHCNQNNGNLATVKSKEEAQHVRVLAQ LLRREAALTARMSKFWIGLQREKGKCLDPSLPLKGFSWVGGGEDTPYSNWHKELR NSCISKRCVSLLLDLSQPLLPSRLPKWSEGPCGSPGSPGSNIEGFVCKFSFKGMCR PLALGGPGQVTYTTPTFQTTSSSLEAVPFASAANVACGEGDKDETQSHYFLCCKEAP

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DVFDWGSSGPLCVSPKYGCNFNNGGCHQDCFEGGDGSFLCGCRPGFRLLDDLVT
CASRNPCSSSPCRGGATCVLGPHGKNYTCRCPQGYQLDSSQLDCVDVDECQDSP
CAQECVNTPGGFRCECWVGYEPGGPGEGACQDVDECALGRSPCAQGCTNTDGS
FHCSCEEGYVLAGEDGTQCQDVDECVGPGGPLCDSLCFNTQGSFHCGLPGWVL
APNGVSCTMGPVSLGPPSGPPDEEDKGEKEGSTVPRAATASPTRGPEGTPKATPT
TSRPSLSSDAPITSAPLKMLAPSGSPGVWREPSIHHATAASGPQEPAGGDSSVATQ
NNDGTDGQK

Purity

Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

CD93 CD93 molecule [Homo sapiens (human)]

Official Symbol

CD93

Synonyms

CD93; CD93 molecule; C1QR1, CD93 antigen , complement component 1, q subcomponent, receptor 1 , matrix remodelling associated 4 , MXRA4; complement component C1q receptor; C1qR(P); C1qRP; CDw93; dJ737E23.1; ECSM3; C1qR; CD93 antigen; C1q receptor 1; C1q/MBL/SPA receptor; matrix-remodelling associated 4; matrix-modeling-associated protein 4; complement component 1 q

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subcomponent receptor 1; complement component 1, q subcomponent, receptor 1;
C1QR1; MXRA4;

Gene ID 22918

mRNA Refseq NM_012072

Protein Refseq NP_036204

MIM 120577

UniProt ID Q9NPY3

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