

Recombinant Human CD93 protein, His-tagged

Cat. No. CD93-6903H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD93 (Thr22-Lys580) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Thr22-Lys580
Description	CD antigen CD93 is also known as Complement component C1q receptor (C1QR1), which belongs to the Group XIV C-Type lectin family, a group containing two other members, endosialin (CD248) and thrombomodulin. CD93 contains one C-type lectin domain and five EGF-like domains. CD93 is highly expressed in endothelial cells, platelets, cells of myeloid origin, such as monocytes and neutrophils. CD93 is receptor for C1q, mannose-binding lectin (MBL2) and pulmonary surfactant protein A (SPA). CD93 may mediate the enhancement of phagocytosis in monocytes and macrophages upon interaction with soluble defense collagens and may play a role in intercellular adhesion.
Predicted N Terminal	Thr22
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 59.0 kDa. The protein migrates as 90-110 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CD93
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-remodeling-associated protein 4; complement component 1 q subcomponent receptor 1; complement component 1, q subcomponent, receptor 1; C1QR1; MXRA4
Gene ID	22918
mRNA Refseq	NM_012072

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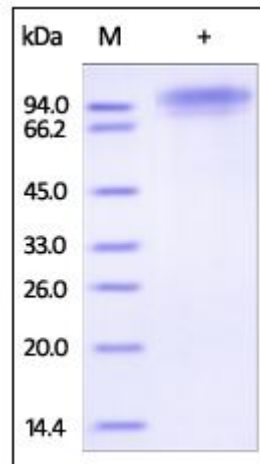
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Protein Refseq NP_036204

MIM 120577

UniProt ID Q9NPY3

SDS-PAGE of CD93-
6903H



Human C1q R1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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