Recombinant C1qR-(his)N, human

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CAT No. C009
LOT No. 2801
0.1 mg

Product description

This type I membrane glycoprotein is a receptor (or element of a larger receptor complex) for C1q, mannose-binding lectin (MBL2) and pulmonary surfactant protein A (SPA). The protein may mediate enhancement of phagocytosis in monocytes and macrophages upon interaction with soluble defense collagens. May play a role in intercellular adhesion. It has 1 C-type lectin domain and 5 EGF-like domains.

Referencesequences:	NM_012072
	NP_036204
	Swiss-prot Q9NPY3
Alternative names:	C1q receptor
	Complement component C1q receptor
	CD93
	C1q/MBL/SPA receptor
	Matrix remodeling associated receptor 4
Gene ID:	6382

The ecto-domain of human C1qR, residues 22- 580 was over-expressed in HEK293EBNA1 cells and purified to homogeneity. The protein has 1 potential N-linked glycosylation site. The protein contains a N-terminal hexahistidine tag. The calculated molecular weight without glycosylation of recombinant human C1qR, residues 22 - 580 including hexahistidine tag, is 59.7 kDa. Each vial contains 100 µg C1qR-(his)C at 0.96 mg/ml.

Storage and stability

C1qR-(his)N should be stored at - 80 ˜C (stable for at least 1 year). The bu°er is PBS without preservative. After thawing it should be stored in appropriate small aliquots at - 20 ˜C or - 80 ˜C (stable for at least 2 months).

Protein sequence

marplctllllmatlagalagshhhhhhgstgadteavvcvgtacytahsgkl
saaeaqnhcnqnggnlatvkskeeaqhvqrvlaqllrreaaltarmskfwig
lqrekgkcldpslplkgfswvgggedtpysnwhkelrnsciskrcvslldlsq
pllpsrlpkwsegpcgspgspgsniegfvckfsfkgmcrplalggpgqvtyt
tpfqttsssleavpfasaanvacgegdkdetqshy˝ckekapdvfdwgssg
plcvspkygcnfnnggchqdcfeggdgs˝cgcrpgfrlldd lvtcasrnpcs
sspcrggatcvlgphgknytcrcpqgyqldssqldcvdvdecqdspcaqe
cvntpggfrcecwvgyepggpgegacqdvdecalgrspcaqgctntdgs
fhcsceegyvlagedgtqcqdvdecvgpggplcdslcfntqgsfhcgclpg
wvlapngvsctmgpvslgppsgppdeedkgekegstvpraatasptrgp
egtpkatpttsrpslssdapitsaplkmlapsgspgvwrepsihhataasgp
qepaggdssvatqnndgtdgqkaaa*

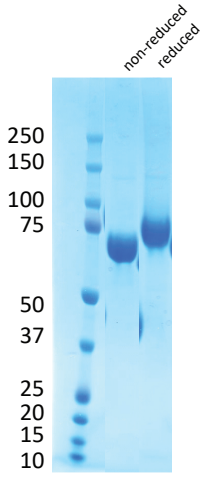

Figure 1
NuPage gel of C009
(non)reducing conditions

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