Recombinant Full Length Human CD163 Protein, C-Flag-tagged

Cat. No. CD163-1463HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CD163 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	125.3 kDa
AA Sequence	MSKLRMVLLEDSGSADFRRHFVNLSPFTITVVLLLSACFVTSSLGGTDKELRLVDGE NKCSGRVEVKVQ EEWGTVCNNGWSMEAVSVICNQLGCPTAIKAPGWANSSAGSG RIWMDHVSCRGNESALWDCKHDGWGKH SNCTHQQDAGVTCSDGSNLEMRLTRG GNMCSGRIEIKFQGRWGTVCDDNFNIDHASVICRQLECGSAVS FSGSSNFGEGSG

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	PIWFDDLICNGNESALWNCKHQGWGKHNCDHAEDAGVICSKGADLSLRLVDGVTE CS GRLEVRFQGEWGTICDDGWDSYDAAVACKQLGCPTAVTAIGRVNASKGFGHIW LDSVSCQGHEPAVWQC KHHEWGKHYCNHNEDAGVTCSDGSDLELRLRGGGSRC AGTVEVEIQRLLGKVCDRGWGLKEADVVCRQL GCGSALKTSYQVYSKIQATNTWL FLSSCNGNETSLWDCKNWQWGGLTCDHYEEAKITCSAHREPRLVGG DIPCSGRVE VKHGDTWGSICDSDFSLEAASVLCRELQCGTVVSILGGAHFGEGNGQIWAEEFQCE GHES HLSLCPVAPRPEGTCSHSRDVGVVCSRYTEIRLVNGKTPCEGRVELKTLGA WGSLCNSHWDIEDAHVLC QQLKCGVALSTPGGARFGKGNGQIWRHMFHCTGTEQ HMGDCPVTALGASLCPSEQVASVICSGNQSQTL SSCNSSSLGPTRPTIPEESAVACI ESGQLRLVNGGGRCAGRVEIYHEGSWGTICDDSWDLSDAHVVCRQ LGCGEAINAT GSAHFGEGTGPIWLDEMKCNGKESRIWQCHSHGWGQQNCRHKEDAGVICSEFMS LRLTS EASREACAGRLEVFYNGAWGTVGKSSMSETTVGVVCRQLGCADKGKINPA SLDKAMSIPMWVDNVQCPK GPDTLWQCPSSPWEKRLASPSEETWITCDNKIRLQE GPTSCSGRVEIWHGGSWGTVCDDSWDLDDAQVV CQQLGCGPALKAFKEAEFGQ GTGPIWLNEVKCKGNESSLWDCPARRWGHSECGHKEDAAVNCTDISVQK TPQKA TTGRSSRQSSFIAVGILGVVLLAIFVALFFLTKKRRQRQRLAVSSRGENLVHQIQYRE MNSCLN ADDLDLMNSSENSHESADFSAAELISVSKFLPISGMEKEAILSHTEKENGNLSGPTRT RPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by

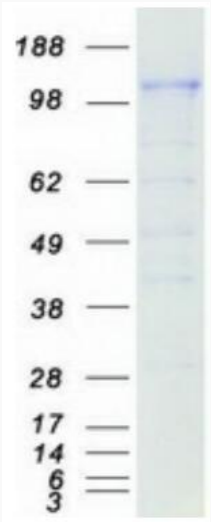
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	conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein, Transmembrane
Full Length	Full L.

GENE INFORMATION

Gene Name	CD163 CD163 molecule [Homo sapiens (human)]
Official Symbol	CD163
Synonyms	M130; MM130; SCARI1
Gene ID	9332
mRNA Refseq	NM_004244.6
Protein Refseq	NP_004235.4
MIM	605545
UniProt ID	Q86VB7

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Coomassie blue staining of purified CD163 protein.

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