

Recombinant Human CD163 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CD163-064H **Lot. No.** (See product label)

SPECIFICATION

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| Product Overview | CD163 MS Standard C13 and N15-labeled recombinant protein (NP_004235) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| 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. |
| Molecular Mass | 125.4 kDa |
| AA Sequence | MSKLRMVLLLEDSGSADFRRHFVNLSPTITVLLLLSACFVTSSLGGTDKELRLVDGE NKCSGRVEVKVQEEWGTVCNNGWSMEAVSVICNQLGCPTAIKAPGWANSSAGSG RIWMDHVSCRGNESALWDCKHDGWGKHSNCTHQQDAGVTCSDGSNLEMRLTRG GNMCSGRIEIKFQGRWGTVCDDNFNIDHASVICRQLECGSAVSFSGSSNFGEGSGP IWFDDLICNGNESALWNCKHQGWGKHNCDAEDAGVICSKGADLSLRLVDGVTEC |

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SGRLEVRFQGEWGTICDDGWDSYDAAVACKQLGCPTAVTAIGRVNASKGFGHIWL
 DSVSCQGHEPAVWQCKHHEWKGKHYCNHEDAGVTCSDGSDLELRLRGGGSRCA
 GTVEVEIQRLLGKVCDRGWGLKEADVCRQLGCGSALKTSYQVYSKIQATNTWFL
 SSCNGNETSLWDCKNWQWGGLTCDHYEEAKITCSAHREPRLVGGDIPCSGRVEVK
 HGDTWGSICDSDFSLEAASVLCRELQCCTVVSILGGAHFGEENGQIWAEFQCEGH
 ESHLSLCPVAPRPEGTCSHSRDVGVCSTRYTEIRLVNGKTPCEGRVELKTLGAWGS
 LCNSHWDIEDAHVLCQQLKCGVALSTPGGARFGKGNQIWRHMFHCTGTEQHMG
 DCPVTALGASLCPSEQVASVICSGNQSQTLSSCNSSSLGPTRPTIPEESAVACIESG
 QLRLVNGGGRCAGRVEIYHEGSWGTICDDSWDLSDAHVVCRQLGCGEAINATGSA
 HFGEGTGPIWLDEMCKNGKESRIWQCHSHGWGQQNCRHKEDAGVICSEFMSLRL
 TSEASREACAGRLEVFYNGAWGTVGKSSMSETTVGVVCRQLGCADKGGKINPASLD
 KAMSIPMWVDNVQCPKGPDTLWQCPSSPWEKRLASPSEETWITCDNKIRLQEGPT
 SCSGRVEIWHGGSWGTVCDDSWDLDDAQVVCQQLGCGPALKAFKEAEFGQGTGP
 IWLNEVKCKGNESSLWDCPARRWGHSECGHKEDA AVNCTDISVQKTPQKATTGRS
 SRQSSFIAVGILGVVLLAIFVALFFLTKRRRQRQLAVSSRGENLVHQIQYREMNSCL
 NADDLDMNSSENSHESADFSAAELISVSKFLPISGMEKEAILSHTKENGNLSPTR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

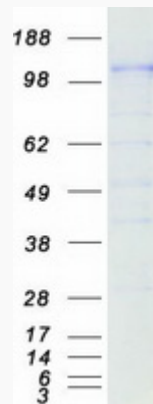
GENE INFORMATION

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| | |
|------------------------|---|
| Gene Name | CD163 CD163 molecule [Homo sapiens (human)] |
| Official Symbol | CD163 |
| Synonyms | CD163; CD163 molecule; M130; MM130; SCAR11; scavenger receptor cysteine-rich type 1 protein M130; hemoglobin scavenger receptor; macrophage-associated antigen; |
| Gene ID | 9332 |
| mRNA Refseq | NM_004244 |
| Protein Refseq | NP_004235 |
| MIM | 605545 |
| UniProt ID | Q86VB7 |

SDS-PAGE


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