

## Product datasheet for PH308557

### CD163 (NM\_004244) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CD163 MS Standard C13 and N15-labeled recombinant protein (NP_004235)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208557
Predicted MW:	125.4 kDa
Protein Sequence:	>Peptide sequence encoded by RC208557 Blue=ORF Red=Cloning site Green=Tag(s)

MSKLRMVLLEDSGSADFRRHVNLSPFTITVVLVLLSACFVTSSLGGTDKELRLVDGENKCSGRVEVKVQ  
EEWGTVCNNGWSMEAVSVCNQLGCPATAIKAPGWANSSAGSGRIWMDHVSCRGNESALWDCKHDGKGK  
SNCTHQQDAGVTCSDGSNLEMLTRGGNMCSGRIEIKFQGRWGTVCDDNFNIDHASVICRQLECGSAVS  
FSGSSNFGEVSGPIWFDLINCNGESALWNCKHQGWGKHNCDAEDAGVICSKGADLSRLVDGVTECS  
GRLEVRVFGQEWGTICDDGWDSYDAVACKQLGCPTAVTAIGRVNASKGFGHIWLDVSCQGHEPAVWQC  
KHHEWKGKHYCNHEDAGVTCSDGSDLELRLRGGGSRGAGTVEVEIQRLLGKVCDRGWGLKEADVCRQL  
GCGSALKTSYQVYSKIQAATNTWFLSSCNGNETSLWDCKNWQWGLTCDHYEEAKITCSAHREPRVGG  
DIPCSGRVEVKHGDTWGSICDSDFLEAASVLCRELQCGTVVSVILGGAHFGEVNGQIWAEEFQCEGHES  
HLSLCPVAPRPEGTCSHSDVGVVCSRYTEIRLVNGKTPCEGRVELKTLGAWGSLCNSHWIDIAHVLC  
QQLKCGVALSTPGGARFGKNGQIWRHMFHCTGTEQHMGDPCVTALGASLCPSEQVAVSICSGNQSQTL  
SSCNSSSLGPTRPTIPEESAVACIESGQLRLVNGGGRCAGRVEIYHEGSGWTICDDSWLSDAHVCRQ  
LGCGEAINATGSAHFGEVGTGPIWLDKMKNGKESRIWQCHSHGWGQNCRHKEDAGVICSEFMSLRRLTS  
EASREACAGRLEVFYNGAWGTVGKSSMSETTVGVVCRQLGCADKGINPASKAMSIKMMVNDVQCPK  
GPDTLWQCPSSPWEKRLASPSEETWITCDNKIRLQEGPTSCSGRVEIWHGGSGWTVCDDSWLDDAQV  
CQQLGCGPALKAFKEAEFGQGTGPIWLVNEVKCKGNESSLWDCPARRWGHSECGHKEDAANVCTDISVQK  
TPQKATTGRSSRQSSFIAVGILGVVLLAIFVALFFLTKRRRQRQLAVSSRGENLVHQIQYREMNLSCLN  
ADDLMLNNSSENSHESADFSAAELISVSKFLPISGMEKEAAILSHTEKENGNL  
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC208557 also available, [TP308557](#)

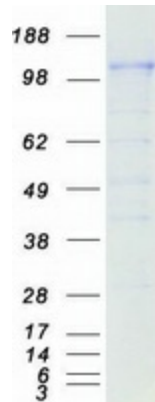
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004235</a>
RefSeq Size:	4190
RefSeq ORF:	3468
Synonyms:	M130; MM130; SCAR11
Locus ID:	9332
UniProt ID:	<a href="#">Q86VB7</a>
Cytogenetics:	12p13.31
Summary:	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. [provided by RefSeq, Aug 2011]
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane

### Product images:



Coomassie blue staining of purified CD163 protein (Cat# [TP308557]). The protein was produced from HEK293T cells transfected with CD163 cDNA clone (Cat# [RC208557]) using MegaTran 2.0 (Cat# [TT210002]).