

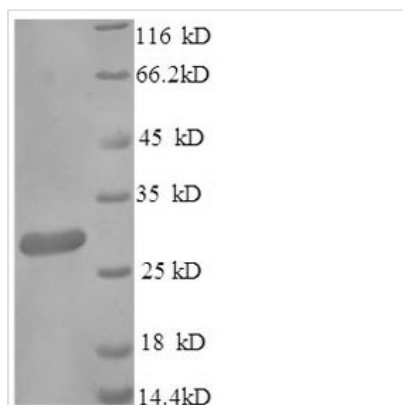


# Recombinant Mouse Scavenger receptor cysteine-rich type 1 protein M130 (Cd163), partial

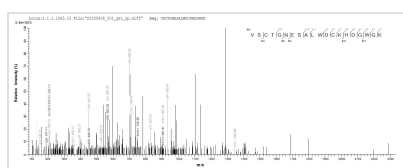
<b>Product Code</b>	CSB-EP650452MO
<b>Relevance</b>	Involved in clearance and endocytosis of hoglobin/haptoglobin complexes by macrophages and may thereby protect tissues from free hoglobin-mediated oxidative damage. May play a role in the uptake and recycling of iron, via endocytosis of hoglobin/haptoglobin and subsequent breakdown of he. Binds hoglobin/haptoglobin complexes in a calcium-dependent and pH-dependent manner. Induces a cascade of intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol triphosphate production and secretion of IL6 and CSF1 .After shedding, the soluble form (sCD163) may play an anti-inflammatory role.
<b>Abbreviation</b>	Recombinant Mouse Cd163 protein, partial
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q2VLH6
<b>Alias</b>	CD163
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	VVCQQLGCPTSIKALGWANSSAGSGYIWMKVSTGNEALWDCKHDLGWG KHNCCTHEKDAGVTCSDGSNLEMLVNSAGHRCLGRVEIKFQGWGTVCDDN FSKDHASVICKQLGCGSAISFSGSAKLGAGSGPIWLDDLACNGNEALWDCK HRGWGKHNCDAEDVGICLEGADLSRLVDGVSRCGRLEVRFGGEWGT CDDNWDLRDASVVCQQLGCPTAISAIGRVNASEGSGQIWLNDISCEGHEATL WECKHQEWGKHYCHHREDAGVTCS
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	Cd163
<b>Expression Region</b>	86-365aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	34.2kDa
<b>Protein Length</b>	Partial



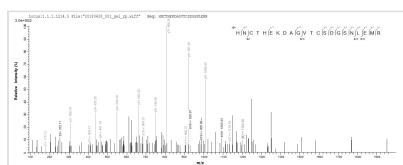
## Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP650452MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Cd163.



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## Description

We are pleased to introduce our newest product, the Recombinant Mouse Cd163. This scientifically engineered protein closely mimics the naturally occurring Scavenger receptor cysteine-rich type 1 protein M130, also known as Soluble CD163. This makes it an excellent tool for research studies aimed at understanding the function of this crucial protein in the mouse system.

Expressed in an E.coli system, the Recombinant Mouse Cd163 represents a partial protein length that includes the amino acids from position 86 to 365. Equipped with an N-terminal 6xHis-tag, this feature aids in effective protein purification and detection. The product's purity has been ascertained to be greater than 90% as per SDS-PAGE, ensuring a high-quality product for your research. You can select from either a liquid or lyophilized powder form based on your experimental needs.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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