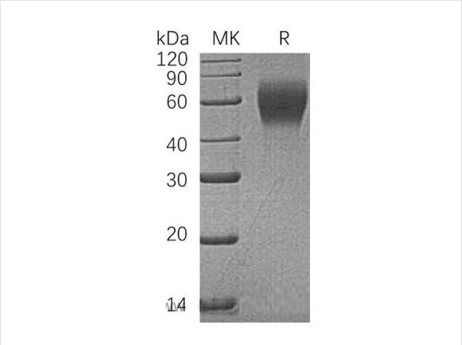
CD200 Receptor 1 (CD200R1) Human Active Protein

PRODUCT OVERVIEW

Product Name	CD200 Receptor 1 (CD200R1), Active Protein
Full Product Name	Recombinant Human CD200 Receptor 1 Protein
Product Gene Name	CD200R1 active protein
Product Synonym Names	Cell Surface Glycoprotein CD200 Receptor 1; CD200 Cell Surface Glycoprotein Receptor; Cell Surface Glycoprotein OX2 Receptor 1; CD200R1; CD200R; CRTR2; MOX2R; OX2R
Host	HEK293 Cells
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Purity/Purification	> 95% as determined by reducing SDS-PAGE.
Preparation and Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4 to 8°C for 2 to 7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Molecular Weight	Molecular Mass: 27.82 kDa AP Molecular Mass: 50-80 kDa
Active Protein Note	Protein activity can be an ambiguous term. Please refer to the data sheet or inquire with Technical Support to determine the definition of activity for this product.
Species	Human
Endotoxin	<1.0 EU per ug of the protein as determined by LAL test.
Sequence	Ala27-Leu266
Tag	C-6His
Reconstitution	We recommend centrifuging the vial before opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 mg/mL. Concentration is measured by UV-Vis.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD200R1 active protein	Cell surface glycoprotein CD200 Receptor 1 (CD200R1) is the receptor for the CD200 (OX-2) membrane glycoprotein. CD200R1 contains one C2- type Ig-like domain and one V-type Ig-like domain within its extracellular domain and a PTB-signaling motif in cytoplasmic domain. CD200R1 and CD200 associate via their respective N-terminal Ig-like domains. CD200R1 is restricted primarily to mast cells, basophils, macrophages, and dendritic cells. It propagates inhibitory signals despite its lacking a cytoplasmic ITIM (immunoreceptor tyrosinebased inhibitory motif). The receptor-substrate interaction may function as a myeloid downregulatory signal.
Other Notes	Small volumes of CD200R1 active protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD200R1 purchase	MBS2556676 is an active protein targeting CD200R1. Also known as Recombinant Human CD200 Receptor 1 Protein. Host: HEK293 Cells.



SDS-Page of CD200R1 active protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD200R1. It may not necessarily be applicable to this product.

NCBI GI #	219519975
NCBI GeneID	131450
NCBI Accession #	AAI43394.1
UniProt Secondary Accession #	Q52LJ7; Q6IS95; Q6UW94; Q6WHB8; Q8TD44; Q8TD45; Q8TD52; B3KWZ9; E9PCM9
UniProt Related Accession #	Q8TD46
NCBI Official Full Name	CD200R1 protein
NCBI Official Synonym Full Names	CD200 receptor 1
NCBI Official Symbol	CD200R1
NCBI Official Synonym Symbols	OX2R; MOX2R; CD200R; HCRTR2
UniProt Protein Name	Cell surface glycoprotein CD200 receptor 1
UniProt Synonym Protein Names	CD200 cell surface glycoprotein receptor; Cell surface glycoprotein OX2 receptor 1
Protein Family	Cell surface glycoprotein CD200 receptor
UniProt Gene Name	CD200R1
UniProt Synonym Gene Names	CD200R; CRTR2; MOX2R; OX2R
NCBI Protein Information	cell surface glycoprotein CD200 receptor 1
NCBI Summary for CD200R1	This gene encodes a receptor for the OX-2 membrane glycoprotein. Both the receptor and substrate are cell surface glycoproteins containing two immunoglobulin-like domains. This receptor is restricted to the surfaces of myeloid lineage cells and the receptor-substrate interaction may function as a myeloid downregulatory signal. Mouse studies of a related gene suggest that this interaction may control myeloid function in a tissue-specific manner. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]
UniProt Comments for CD200R1	Inhibitory receptor for the CD200/OX2 cell surface glycoprotein. Limits inflammation by inhibiting the expression of proinflammatory molecules including TNF-alpha, interferons, and inducible nitric oxide synthase (iNOS) in response to selected stimuli. Also binds to HHV-8 K14 viral CD200 homolog with identical affinity and kinetics as the host CD200.
Research Articles on CD200R1	**1.** Reduced expression of monocyte CD200R is associated with enhanced proinflammatory cytokine production in sarcoidosis
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