CD83 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD83, Recombinant Protein
Full Product Name	Recombinant Mouse CD83 Protein
Product Gene Name	CD83 recombinant protein
Product Synonym Names	CD83 Antigen; hCD83; B-Cell Activation Protein; Cell Surface Protein HB15; CD83
Host	Human Cells
Form/Format	Lyophilized from a 0.2 mum filtered solution of PBS, pH 7.4.
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Preparation and Storage	Lyophilized protein should be stored at < -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.
Molecular Weight	Molecular Mass: 17.4kDa Actual Protein Molecular Mass: 30-33kDa
3D Structure	ModBase 3D Structure for O88324
Species	Mouse
Endotoxin	<1.0 EU per mug as determined by LAL test.
Fragment	Met 1-Arg 133
Fusion Tag	C-6His
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD83 recombinant protein	Protein Construction: Recombinant Mouse CD83 is produced by our Mammalian expression system and the target gene encoding Met22-Ala134 is expressed with a 6His tag at the C-terminus. Background: CD83 antigen is a single-pass type I membrane protein which contains one Ig-like V-type (immunoglobulin-like) domain. CD83 is expressed by activated lymphocytes, Langerhans cells and interdigitating reticulum cells. It contains one Ig-like V-type (immunoglobulin-like) domain., the soluble CD83 has the opposite effect and has an immune inhibitory capacity. Due to its immune inhibitory function, CD83 may play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.
Other Notes	Small volumes of CD83 recombinant 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 CD83 purchase	MBS2556765 is a recombinant protein targeting CD83. Also known as Recombinant Mouse CD83 Protein. Host: Human Cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD83. It may not necessarily be applicable to this product.

NCBI GI #	6753356
NCBI GeneID	12522
NCBI Accession #	NP_033986.1

UniProt Primary Accession #	O88324
UniProt Related Accession #	O88324
GenBank Nucleotide #	NM_009856.3
NCBI Official Full Name	CD83 antigen isoform 1
NCBI Official Synonym Full Names	CD83 antigen
NCBI Official Symbol	Cd83
UniProt Protein Name	CD83 antigen
UniProt Synonym Protein Names	CD_antigen: CD83
Protein Family	CD83 antigen
UniProt Gene Name	Cd83
UniProt Synonym Gene Names	mCD83
NCBI Protein Information	CD83 antigen
UniProt Comments for CD83	May play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.
Research Articles on CD83	**1.** CD83-mediated MHCII stabilization through antagonism of March8 as a novel functional adaptation of cortical epithelial cells for T cell selection.
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