CD160 Antigen (CD160) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	CD160 antigen (Cd160), Recombinant Protein
Full Product Name	Recombinant Mouse CD160 antigen (Cd160)
Product Gene Name	Cd160 recombinant protein
Sequence	GCIHVTSSAS QKGGRLDLTC TLWHKKDEAE GLILFWCKDN PWNCSPETNL EQLRVKRDPE TDGITEKSSQ LVFTIEQATP SDSGTYQCCA RSQKPEIYIH GHFLSVLVTG NHTEIRQRQR SHPDFSHING TLS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	20,570 Da
Sequence Positions	28-160, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for O88875
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Cd160 recombinant protein	CD160 is an 27 kDa glycoprotein which was initially identified with the monoclonal antibody BY55. Its expression is tightly associated with peripheral blood NK cells and CD8 T lymphocytes with cytolytic effector activity. The cDNA sequence of CD160 predicts a cysteine-rich, glycosylphosphatidylinositol-anchored protein of 181 amino acids with a single Ig-like domain weakly homologous to KIR2DL4 molecule. CD160 is expressed at the cell surface as a tightly disulfide-linked multimer. RNA blot analysis revealed CD160 mRNAs of 1.5 and 1.6 kb whose expression was highly restricted to circulating NK and T cells, spleen and small intestine. Within NK cells CD160 is expressed by CD56dimCD16+ cells whereas among circulating T cells its expression is mainly restricted to TCRgd bearing cells and to TCRab+CD8brightCD95+CD56+CD28-CD27-cells. In tissues, CD160 is expressed on all intestinal intraepithelial lymphocytes. CD160 shows a broad specificity for binding to both classical and nonclassical MHC class I molecules.
Other Notes	Small volumes of Cd160 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 Cd160 purchase	MBS1145895 is a recombinant protein targeting Cd160. Also known as Recombinant Mouse CD160 antigen (Cd160). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cd160. It may not necessarily be applicable to this product.

NCBI GI #	254553380

NCBI GeneID	54215
NCBI Accession #	NP_001156968.1
UniProt Primary Accession #	O88875
UniProt Secondary Accession #	Q8C9H4
UniProt Related Accession #	O88875
GenBank Nucleotide #	NM_001163496.1
NCBI Official Full Name	CD160 antigen isoform a
NCBI Official Synonym Full Names	CD160 antigen
NCBI Official Symbol	Cd160
NCBI Official Synonym Symbols	By55; AU045688
UniProt Protein Name	CD160 antigen
UniProt Synonym Protein Names	Natural killer cell receptor BY55; CD_antigen: CD160
Protein Family	CD160 antigen
UniProt Gene Name	Cd160
UniProt Synonym Gene Names	By55
NCBI Protein Information	CD160 antigen
UniProt Comments for Cd160	Receptor showing broad specificity for both classical and non-classical MHC class I molecules.
Research Articles on Cd160	**1.** CD160 may represent a suitable target for immune intervention in the setting of transplantation to modulate allogeneic cytotoxic responses.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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