Protein G6b (G6B) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein G6b (G6b), Recombinant Protein
Full Product Name	Recombinant Rat Protein G6b (G6b), partial
Product Gene Name	G6b recombinant protein
Product Synonym Gene Name	G6b
Sequence	NPE VSLEGNPGDR VNLSCIGVSD PTRWAWAPSF PACKGLSKGR RPILWASSSG TPTVLQHFSG RLRSLDTGIK RLELLLSAGD SGTFFCKGRQ ENESRTVIQV LGDKAGCRPS GSTHGSEYSK
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	25,083 Da
Sequence Positions	18-140
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 Q6MG59
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for G6b recombinant protein	MBS1386382 is a recombinant protein targeting G6b. Also known as Recombinant Rat Protein G6b (G6b), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of G6b 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for G6b. It may not necessarily be applicable to this product.

NCBI GI #	51591901
NCBI GeneID	406865
NCBI Accession #	NP_001003976.1
UniProt Primary Accession #	Q6MG59
UniProt Related Accession #	Q6MG59
GenBank Nucleotide #	NM_001003976.1

NCBI Official Full Name	megakaryocyte and platelet inhibitory receptor G6b
NCBI Official Synonym Full Names	megakaryocyte and platelet inhibitory receptor G6b
NCBI Official Symbol	Mpig6b
NCBI Official Synonym Symbols	G6b; Ng31; C6orf25
UniProt Protein Name	Megakaryocyte and platelet inhibitory receptor G6b
UniProt Synonym Protein Names	Protein G6bCurated
Protein Family	Protein
UniProt Gene Name	Mpig6b
NCBI Protein Information	megakaryocyte and platelet inhibitory receptor G6b; protein G6b
UniProt Comments for G6b	Inhibitory receptor that acts as a critical regulator of hematopoietic lineage differentiation, megakaryocyte function and platelet production. Inhibits platelet aggregation and activation by agonists such as ADP and collagen-related peptide. This regulation of megakaryocate function as well as platelet production ann activation is done through the inhibition (via the 2 ITIM motifs) of the receptors CLEC1B and GP6:FcRgamma signaling. Appears to operate in a calcium-independent manner.
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