Murinoglobulin-2 (MUG2) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Murinoglobulin-2 (Mug2), Recombinant Protein
Full Product Name	Recombinant Rat Murinoglobulin-2 (Mug2) , partial
Product Gene Name	Mug2 recombinant protein
Product Synonym Gene Name	Mug2
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	161,589 Da
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 Q6IE52
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mug2 recombinant protein	MBS1395577 is a recombinant protein targeting Mug2. Also known as Recombinant Rat Murinoglobulin-2 (Mug2) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Mug2 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 Mug2. It may not necessarily be applicable to this product.

NCBI GI #	50657404
NCBI GeneID	408236
NCBI Accession #	NP_001002826.1
UniProt Primary Accession #	Q6IE52
UniProt Related Accession #	Q6IE52
GenBank Nucleotide #	NM_001002826.1
NCBI Official Full Name	murinoglobulin-2
NCBI Official Synonym Full Names	murinoglobulin 2
NCBI Official Symbol	Mug2

UniProt Protein Name	Murinoglobulin-2
Protein Family	Meiotically up-regulated gene 2 protein
UniProt Gene Name	Mug2
NCBI Protein Information	murinoglobulin-2
NCBI Summary for Mug2	member of the alpha 2 macroglobulin family [RGD, Feb 2006]
UniProt Comments for Mug2	A proteinase activates the inhibitor by specific proteolysis in the bait region, which, by an unknown mechanism leads to reaction at the cysteinyl-glutamyl internal thiol ester site and to a conformational change, whereby the proteinase is trapped and/or covalently bound to the inhibitor. While in the tetrameric proteinase inhibitors steric inhibition is sufficiently strong, monomeric forms need a covalent linkage between the activated glutamyl residue of the original thiol ester and a terminal amino group of a lysine or another nucleophilic group on the proteinase, for inhibition to be effective.
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