SH3 Domain-Binding Protein 4-B (sh3bp4-b) Xenopus Laevis Recombinant Protein

PRODUCT OVERVIEW

Product Name	SH3 domain-binding protein 4-B (sh3bp4-b), Recombinant Protein
Full Product Name	Recombinant Xenopus laevis SH3 domain-binding protein 4-B (sh3bp4-b), partial
Product Gene Name	sh3bp4-b recombinant protein
Product Synonym Gene Name	sh3bp4-b
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	106,447 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 Q6NU51
Species	Xenopus laevis (African clawed frog)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for sh3bp4-b recombinant protein	MBS1437412 is a recombinant protein targeting sh3bp4-b. Also known as Recombinant Xenopus laevis SH3 domain-binding protein 4-B (sh3bp4-b), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of sh3bp4-b 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 sh3bp4-b. It may not necessarily be applicable to this product.

NCBI GI #	148232994
NCBI GeneID	414640
NCBI Accession #	NP_001084680.1
UniProt Primary Accession #	Q6NU51
UniProt Related Accession #	Q6NU51
GenBank Nucleotide #	NM_001091211.1
NCBI Official Full Name	SH3 domain-binding protein 4-B
NCBI Official Synonym Full Names	SH3-domain binding protein 4 L homeolog

NCBI Official Symbol	sh3bp4.L
NCBI Official Synonym Symbols	ttp; bog25; sh3bp4; sh3bp4-a; sh3bp4-b
UniProt Protein Name	SH3 domain-binding protein 4-B
Protein Family	SH3 domain-binding protein
UniProt Gene Name	sh3bp4-b
NCBI Protein Information	SH3 domain-binding protein 4-B
UniProt Comments for sh3bp4-b	Possible role in regulating endocytosis of the transferrin receptor at the plasma membrane. Alternatively, may function as a negative regulator of the amino acid-induced TOR signaling by inhibiting the formation of active Rag GTPase complexes. Preferentially binds inactive Rag GTPase complexes and prevents their interaction with the mTORC1 complex inhibiting its relocalization to lysosomes and its activation. Thereby, may indirectly regulate cell growth, proliferation and autophagy ().
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