Transposon Ty1-Br Gag Polyprotein (TY1A-BR) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transposon Ty1-BR Gag polyprotein (TY1A-BR), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Transposon Ty1-BR Gag polyprotein (TY1A-BR)
Product Gene Name	TY1A-BR recombinant protein
Product Synonym Gene Name	TY1A-BR
Sequence	MESQQLSNYP HISHGSACAS VTSKEVHTNQ DPLDVSASKI QEYDKASTKA NSQQTTTPAS SAVPENPHHA SPQPASVPPP QNGPYPQQCM MTQNQANPSG WSFYGHPSMI PYTPYQMSPM YFPPGPQSQF PQYPSSVGTP LSTPSPESGN TFTDSSSADS DMTSTKKYVR PPPMLTSPND FPNWVKTYIK FLQNSNLGGI IPTVNGKPVR PITDDELTFL YNAFQIFAPS QFLPTWVKDI LSVDYTDIMK ILSKSIEKMQ SDTQEANDIV TLANLQYNGS TPADAFETKV TNIIDRLNNN GIHINNKVAC QLIMRGLSGE YKFLRYTRHR HLNMTVAELF LDIHAIYEEQ QGSRNSKPNY RRNPSDEKND SRSYTNTTKP KVIARNPQKT NNSKSKTARA HNVSTSNNSP STDNDSISKS TTEPIQLNNK HDLHLRPETY
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	198,869 Da
Sequence Positions	1-440, 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 Q12217
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TY1A-BR recombinant protein	MBS1354605 is a recombinant protein targeting TY1A-BR. Also known as Recombinant Saccharomyces cerevisiae Transposon Ty1-BR Gag polyprotein (TY1A-BR). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TY1A-BR 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 TY1A-BR. It may not necessarily be applicable to this product.

NCBI GI #	6319485
NCBI GeneID	852298

NCBI Accession #	NP_009568.1
UniProt Primary Accession #	Q12217
UniProt Secondary Accession #	D6VQ14
UniProt Related Accession #	Q12217
GenBank Nucleotide #	NM_001180055.1
NCBI Official Full Name	gag protein
NCBI Official Symbol	YBR012W-A
UniProt Protein Name	Transposon Ty1-BR Gag polyprotein
UniProt Synonym Protein Names	Gag-p49; Transposon Ty1 protein A; TY1A; TYA
Protein Family	Transposon Ty1-BR Gag polyprotein
UniProt Gene Name	TY1A-BR
UniProt Synonym Gene Names	YBRWTy1-2 GAG; TY1A; TYA; CA
NCBI Protein Information	gag protein
UniProt Comments for TY1A-BR	Capsid protein (CA) is the structural component of the virus-like particle (VLP), forming the shell that encapsulates the retrotransposons dimeric RNA genome. The particles are assembled from trimer-clustered units and there are holes in the capsid shells that allow for the diffusion of macromolecules. CA has also nucleocapsid-like chaperone activity, promoting primer tRNA(i)-Met annealing to the multipartite primer-binding site (PBS), dimerization of Ty1 RNA and initiation of reverse transcription ().
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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