Transposon Ty1-GR3 Gag-Pol Polyprotein (TY1B-GR3) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transposon Ty1-GR3 Gag-Pol polyprotein (TY1B-GR3), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae Transposon Ty1-GR3 Gag-Pol polyprotein (TY1B-GR3) , partial
Product Gene Name	TY1B-GR3 recombinant protein
Product Synonym Gene Name	TY1B-GR3
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	49,129 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 Q12316
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TY1B-GR3 recombinant protein	MBS1438008 is a recombinant protein targeting TY1B-GR3. Also known as Recombinant Saccharomyces cerevisiae Transposon Ty1-GR3 Gag-Pol polyprotein (TY1B-GR3) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TY1B-GR3 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 TY1B-GR3. It may not necessarily be applicable to this product.

NCBI GI #	398365961
NCBI GeneID	853068
NCBI Accession #	NP_058165.3
UniProt Primary Accession #	Q12316
UniProt Secondary Accession #	D6VUU4
UniProt Related Accession #	Q12316
GenBank Nucleotide #	NM_001184400.4

NCBI Official Full Name	gag-pol fusion protein
NCBI Official Symbol	YGR161C-D
UniProt Protein Name	Transposon Ty1-GR3 Gag-Pol polyprotein
UniProt Synonym Protein Names	Gag-Pol-p199; TY1A-TY1B; Transposon Ty1 TYA-TYB polyprotein; p190
Protein Family	Transposon Ty1-GR3 Gag-Pol polyprotein
UniProt Gene Name	TY1B-GR3
UniProt Synonym Gene Names	YGRCTy1-3 POL; CA; PR; IN; RT; RT-RH
NCBI Protein Information	gag-pol fusion protein
UniProt Comments for TY1B-GR3	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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