DNA-Binding Protein REB1 (REB1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	DNA-binding protein REB1 (REB1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae DNA-binding protein REB1 (REB1) , partial
Product Gene Name	REB1 recombinant protein
Sequence	NSKAFDKAED AALERFINEY EAIERLTRQQ VCERIWSSDR PKDNFWNNIY KVLPYRSSSS IYKHMRRKYH IFEQRGKWTA EEEQELAKLC AEKEGQWAEI GKTLGRMPED CRDRWRNYVK CGTNRASNRW SVEEELL
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	91,874 Da
Sequence Positions	401-538aa, Partial
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 P21538
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for REB1 recombinant protein	MBS1205570 is a recombinant protein targeting REB1. Also known as Recombinant Saccharomyces cerevisiae DNA-binding protein REB1 (REB1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of REB1 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 REB1. It may not necessarily be applicable to this product.

NCBI GI #	6319523
NCBI GeneID	852338
NCBI Accession #	NP_009605.1
UniProt Primary Accession #	P21538
UniProt Secondary Accession #	D6VQ49
UniProt Related Accession #	P21538
GenBank Nucleotide #	NM_001178397.1

NCBI Official Full Name	DNA-binding protein REB1
NCBI Official Symbol	REB1
NCBI Official Synonym Symbols	GRF2
UniProt Protein Name	DNA-binding protein REB1
UniProt Synonym Protein Names	QBP
Protein Family	DNA-binding protein
UniProt Gene Name	REB1
UniProt Synonym Gene Names	GRF2
NCBI Protein Information	DNA-binding protein REB1
UniProt Comments for REB1	DNA-binding protein that recognizes sites within both the enhancer and the promoter of rRNA transcription, as well as upstream of many genes transcribed by RNA polymerase II. It is essential for cell growth. May stimulate or inhibit transcription. Specifically recognizes the sequence 5'-CCGGGTA-3' or 5'-CGGGTRR-3' (where R is any purine). A member of the general regulatory factors (GRFs) which act as genome partitioners. Acts as a chromatin insulator which are known as STARs (Subtelomeric anti-silencing region). STARs prevent negative or positive transcription influence by extending across chromotin to a promoter.
Research Articles on REB1	**1.** Abf1, Reb1, and Tbf1 control ribosome biogenesis gene expression in budding yeast.
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