DEAD-Box ATP-Dependent RNA Helicase 22 (RH22) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	DEAD-box ATP-dependent RNA helicase 22 (RH22), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana DEAD-box ATP-dependent RNA helicase 22 (RH22) , partial
Product Gene Name	RH22 recombinant protein
Product Synonym Gene Name	RH22
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	64,747 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 Q944S1
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RH22 recombinant protein	MBS1403785 is a recombinant protein targeting RH22. Also known as Recombinant Arabidopsis thaliana DEAD-box ATP-dependent RNA helicase 22 (RH22) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RH22 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 RH22. It may not necessarily be applicable to this product.

NCBI GI #	15218967
NCBI GeneID	842293
NCBI Accession #	NP_176207.1
UniProt Primary Accession #	Q944S1
UniProt Secondary Accession #	O24597; Q9ZNU1
UniProt Related Accession #	Q944S1
GenBank Nucleotide #	NM_104691.4
NCBI Official Full Name	DEA(D/H)-box RNA helicase family protein

NCBI Official Symbol	EMB3108
NCBI Official Synonym Symbols	EMBRYO DEFECTIVE 3108; HEAVY SEED 3; HS3; RH22; RNA helicase 22; T2K10.4; T2K10_4
UniProt Protein Name	DEAD-box ATP-dependent RNA helicase 22
Protein Family	DEAD-box ATP-dependent RNA helicase
UniProt Gene Name	RH22
NCBI Protein Information	DEA(D/H)-box RNA helicase family protein
Research Articles on RH22	**1.** Data indicate that RH22/HS3 (heavy seed 3; At1g59990) encodes the DEAD-box RNA helicase 22 that is localized to plastids, and the full-length HS3 transcript is required for seed development and seedling growth.
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