Protein RAI1 (RAI1) Chaetomium Globosum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein RAI1 (RAI1), Recombinant Protein
Full Product Name	Recombinant Chaetomium globosum Protein RAI1 (RAI1)
Product Gene Name	RAI1 recombinant protein
Product Synonym Gene Name	RAI1
Sequence	TLQFPIQAPA RYAGETEPVK RPREFACFSY DKDHKFRLDD SSMKWYYPPE IGTNLSHGYD TFIKHDDSVD EHLDSLLKTI ADHEQQTGGP IDAHIVTWRG MLTKVGGSDA SFLSLWFEMN ATLYRLTFTS GYKFETLSTI PRPWGETTRD YIENRDNEVT NNKEQYCSVV RTGFGKSIVC LGGEVDAIWD AKPETPGKPI NWVELKTTAE IHTHNDRFKF DRKLMRYWIQ SFLLGVPKII VGYRTQDGIL SGVEEFSTLS MPQDVQRRKT AKWDGNVCIK FASLFLDWLR QSINDGGVWR IRRENKSDHI ELFKVEEVGH GSIITDEFMN WRIKLSLNKD KPPGFEPSDA ADAEPSMAEE PVPETASASG AY
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	42,668 Da
Sequence Positions	2-373, 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 Q2GXY3
Species	Chaetomium globosum (strain 6205 / CBS 148.51 / DSM 1962 / NBRC 6347 / NRRL 1970) (Soil fungus)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for RAI1 recombinant protein	MBS1335677 is a recombinant protein targeting RAI1. Also known as Recombinant Chaetomium globosum Protein RAI1 (RAI1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of RAI1 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 RAI1. It may not necessarily be applicable to this product.

NCBI GI #	116198031
NCBI GeneID	4393258
NCBI Accession #	XP_001224827.1
UniProt Primary Accession #	Q2GXY3

UniProt Related Accession #	Q2GXY3
GenBank Nucleotide #	XM_001224826.1
NCBI Official Full Name	hypothetical protein CHGG_07171
NCBI Official Symbol	CHGG_07171
UniProt Protein Name	Decapping nuclease RAI1
Protein Family	Decapping nuclease
UniProt Gene Name	RAI1
NCBI Protein Information	hypothetical protein
UniProt Comments for RAI1	Ribonuclease that specifically degrades pre-mRNAs with a defective 5' end cap and is part of a pre-mRNA capping quality control. Has decapping and pyrophosphohydrolase activities. Has decapping activity toward incomplete 5' end cap mRNAs such as unmethylated 5' end-capped RNA to release GpppN and 5' end monophosphate RNA. Also possesses RNA 5'-pyrophosphohydrolase activity by hydrolyzing the 5' end triphosphate to release pyrophosphates ().
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