Nascent Polypeptide-Associated Complex Subunit Alpha (EGD2) Candida Glabrata Recombinant Protein

PRODUCT OVERVIEW

Product Name	Nascent polypeptide-associated complex subunit alpha (EGD2), Recombinant Protein
Full Product Name	Recombinant Candida glabrata Nascent polypeptide-associated complex subunit alpha (EGD2)
Product Gene Name	EGD2 recombinant protein
Product Synonym Gene Name	EGD2; CAGL0M07161g
Product Synonym Names	Nascent polypeptide-associated complex subunit alpha; NAC-alpha; Alpha-NAC
Sequence	MAEIPEGANV TILNRNEKKA RELISKLGLK KVPGIIRVTF RKKDNQIFAI EKPEVFRSVG GNYVVFGEAK VDNFTQRLAA AQQQAQSQTA TKTPEDIQAD MQAAAVANEN KTEGDAAEED VDAGDLSNDD IDLVVQQTNA TKGQAIKALK EHNGDIVNAI MSLSK
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	17,894 Da
Sequence Positions	1-165aa; 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 Q6FJD5
Species	Candida glabrata (strain 2001 / CBS 138 / JCM 3761 / NBRC 0622 / NRRL Y-65) (Yeast) (Torulopsis glabrata)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for EGD2 recombinant protein	MBS1476162 is a recombinant protein targeting EGD2. Also known as Recombinant Candida glabrata Nascent polypeptide-associated complex subunit alpha (EGD2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of EGD2 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 EGD2. It may not necessarily be applicable to this product.

NCBI GI #	50294496
NCBI GeneID	2891708
NCBI Accession #	XP_449659.1
UniProt Primary Accession #	Q6FJD5

UniProt Related Accession #	Q6FJD5
GenBank Nucleotide #	XM_449659.1
NCBI Official Full Name	hypothetical protein
NCBI Official Symbol	CAGL0M07161g
UniProt Protein Name	Nascent polypeptide-associated complex subunit alpha
UniProt Synonym Protein Names	Alpha-NAC
UniProt Gene Name	EGD2
UniProt Synonym Gene Names	NAC-alpha
UniProt Entry Name	NACA_CANGA
NCBI Protein Information	hypothetical protein
UniProt Comments for EGD2	Component of the nascent polypeptide-associated complex (NAC), a dynamic component of the ribosomal exit tunnel, protecting the emerging polypeptides from interaction with other cytoplasmic proteins to ensure appropriate nascent protein targeting. The NAC complex also promotes mitochondrial protein import by enhancing productive ribosome interactions with the outer mitochondrial membrane and blocks the inappropriate interaction of ribosomes translating non-secretory nascent polypeptides with translocation sites in the membrane of the endoplasmic reticulum. EGD2 may also be involved in transcription regulation ().
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