Guanine Nucleotide-Binding Protein G (S) Subunit Alpha Geodia Cydonium Recombinant Protein

PRODUCT OVERVIEW

Product Name	Guanine nucleotide-binding protein G (s) subunit alpha, Recombinant Protein
Full Product Name	Recombinant Geodia cydonium Guanine nucleotide-binding protein G (s) subunit alpha
Sequence	MSCFGGGVED DRTKEQKRQN KLIDQQLKKD KKAYRALHRL LLLGAGESGK STVVKQMKIL HKDGFSDEER KEKLVDIKSN IRDIVVTVTK AMSELDPPVS LGSPENEEHL QYLWSDEVTR KDYDYPEKFF EAVSKVWNDS GVQTCSARSN EYQLIDSAAY FMASEKQAQL KEPNYIPNDQ DILRCRVLTS GIFETRFVVD KVHFYMFGVG GQRIERRKWI QCFNDVTAII FVVACSSFNM VIREDLYTNR LRESLDLFEQ IWNNRWLRTV SIILFLNKQD ILKEKIDAGK RVENYFLEFN SYRPPDNLDL SKEPPGSSST FLKARYFFRD MFLRITNKSH DGRHFCYPHF TTAVDTENIR RVFDSCRDII QRMHLQKYEL L
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	44,749 Da
Sequence Positions	1-381, 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 Q9XZV5
Species	Geodia cydonium (Sponge)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Guanine nucleotide-binding protein G (s) subunit alpha recombinant protein	MBS1432568 is a recombinant protein targeting Guanine nucleotide-binding protein G (s) subunit alpha. Also known as Recombinant Geodia cydonium Guanine nucleotide-binding protein G (s) subunit alpha. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Guanine nucleotide-binding protein G (s) subunit alpha 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 Guanine nucleotide-binding protein G (s) subunit alpha. It may not necessarily be applicable to this product.

NCBI GI #	30315958
NCBI Accession #	Q9XZV5.1
UniProt Primary Accession #	Q9XZV5
NCBI Official Full Name	Guanine nucleotide-binding protein G(s) subunit alpha

UniProt Protein Name	Guanine nucleotide-binding protein G(s) subunit alpha
UniProt Synonym Protein Names	Adenylate cyclase-stimulating G alpha protein
Protein Family	G protein
UniProt Comments for Guanine nucleotide-binding protein G (s) subunit alpha	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. The G(s) protein is involved in hormonal regulation of adenylate cyclase: it activates the cyclase in response to beta-adrenergic stimuli.
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