Gtpase Obg (obg) Clostridium Acetobutylicum Recombinant Protein

PRODUCT OVERVIEW

Product Name	GTPase obg (obg), Recombinant Protein
Full Product Name	Recombinant Clostridium acetobutylicum GTPase obg (obg)
Product Gene Name	obg recombinant protein
Product Synonym Gene Name	obg
Sequence	MFVDKARIFV KSGDGGDGAV SFRREKYIPL GGPDGGDGGE GGDVILVVDP NMTTLLDFKY KRKYVSERGQ NGQGAKCYGR DGKDLYIKVP MGTIIRDVET DKIMADLAHK DDKFVIVKGG RGGKGNVKFC TPTRQAPNFA QPGMPGEERW ISLELKLLAD VGLIGFPNVG KSTLLSVASK ARPKIANYHF TTITPNLGVV DVSGISSFVM ADIPGIIEGA SEGVGLGFEF LRHIERTRLL VHVVDISGSE GRDPLEDFLK INEELKKYNI KLWDRPQIVA ANKADMVYDD DQFNKFREEL NKLGYKNVFK ISAATRMGVE DLLKECARVL STIPVTDMEI PEEERFVPED KHFTYTIRKE GDTYIVEGTF VDRLLASVNV NEPDSFRYFH KVLRNKGVMA ELEEMGIKDG DMVRLNDFEF EFLK
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	47,355 Da
Sequence Positions	1-424, 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 Q97JL4
Species	Clostridium acetobutylicum (strain 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for obg recombinant protein	MBS1409887 is a recombinant protein targeting obg. Also known as Recombinant Clostridium acetobutylicum GTPase obg (obg). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of obg 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 obg. It may not necessarily be applicable to this product.

NCBI GI #	15894542
NCBI GeneID	1117443
NCBI Accession #	NP_347891.1
UniProt Primary Accession #	Q97JL4

UniProt Related Accession #	Q97JL4
GenBank Nucleotide #	NC_003030.1
NCBI Official Full Name	GTPase ObgE
NCBI Official Symbol	obgE
NCBI Official Synonym Symbols	cgtA; obg; yhbZ
UniProt Protein Name	GTPase Obg
UniProt Synonym Protein Names	GTP-binding protein Obg
Protein Family	GTPase
UniProt Gene Name	obg
NCBI Protein Information	GTPase ObgE
UniProt Comments for obg	An essential GTPase which binds GTP, GDP and possibly (p)ppGpp with moderate affinity, with high nucleotide exchange rates and a fairly low GTP hydrolysis rate. Plays a role in control of the cell cycle, stress response, ribosome biogenesis and in those bacteria that undergo differentiation, in morphogenesis control.
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