Guanine Nucleotide-Binding Protein G (T) Subunit Gamma-T1 (GNGT1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Guanine nucleotide-binding protein G (T) subunit gamma-T1 (Gngt1), Recombinant Protein
Full Product Name	Recombinant Mouse Guanine nucleotide-binding protein G (T) subunit gamma-T1 (Gngt1)
Product Gene Name	Gngt1 recombinant protein
Product Synonym Gene Name	Gngt1
Sequence	PVINIEDLTE KDKLKMEVDQ LKKEVTLERM MVSKCCEEVR DYIEERSGED PLVKGIPEDK NPFKELKGGC
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	8,528 Da
Sequence Positions	2-71, 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 Q61012
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Gngt1 recombinant protein	MBS1422887 is a recombinant protein targeting Gngt1. Also known as Recombinant Mouse Guanine nucleotide-binding protein G (T) subunit gamma-T1 (Gngt1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Gngt1 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 Gngt1. It may not necessarily be applicable to this product.

NCBI GI #	33563258
NCBI GeneID	14699
NCBI Accession #	NP_034444.1
UniProt Primary Accession #	Q61012
UniProt Secondary Accession #	Q9CR01
UniProt Related Accession #	Q61012

GenBank Nucleotide #	NM_010314.2
NCBI Official Full Name	guanine nucleotide-binding protein G(T) subunit gamma-T1
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), gamma transducing activity polypeptide 1
NCBI Official Symbol	Gngt1
NCBI Official Synonym Symbols	Gng1; G(y)1
UniProt Protein Name	Guanine nucleotide-binding protein G(T) subunit gamma-T1
UniProt Synonym Protein Names	Transducin gamma chain
UniProt Gene Name	Gngt1
UniProt Synonym Gene Names	Gng1
NCBI Protein Information	guanine nucleotide-binding protein G(T) subunit gamma-T1
UniProt Comments for Gngt1	Guanine nucleotide-binding proteins (G proteins) are involved as a modulator or transducer in various transmembrane signaling systems. The beta and gamma chains are required for the GTPase activity, for replacement of GDP by GTP, and for G protein-effector interaction.
Research Articles on Gngt1	**1.** During corticogenesis, a cilium-transduced, noncanonical IGF-1R-Gbetagamma-phospho(T94)Tctex-1 signaling pathway promotes the proliferation of neural progenitors through modulation of ciliary resorption and G1 length.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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