

Guanine nucleotide-binding protein G(o) subunit alpha Recombinant Protein | Gnao1 recombinant protein

Recombinant Mouse Guanine nucleotide-binding protein G(o) subunit alpha

CATALOG # AAA113121	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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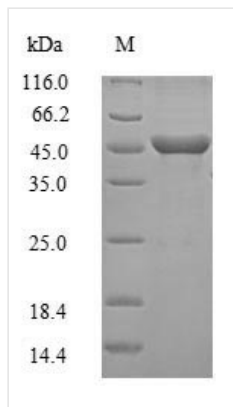
PRODUCT SYNONYMS

Guanine nucleotide-binding protein G(o) subunit alpha; Recombinant Mouse Guanine nucleotide-binding protein G(o) subunit alpha; Gnao1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-354aa; Full Length
Sequence	GCTLSAEERA ALERSKAIEK NLKEDGISAA KDVKLLLLGA GESGKSTIVK QMKIIHEDGF SGEDVKQYKP VVYSNTIQSL AAIVRAMDTL GVEYGDKERK TDSKMVCDVV SRMEDTEPFS AELLSAMMRL WGDSGIQECF NRSREYQLND SAKYYLDSLD RIGAGDYQPT EQDILRTRVK TTGIVETHFT FKNLHFRLFD VGGQRSERKK WIHCFEDVTA IIFCVALSGY DQVLHEDETT NRMHESLMLF DSICNNKFFI DTSILFLNK KDLFGEKIKK SPLTICPEY PGSNTYEDAA AYIQTQFESK NRSPNKEIYC HMTCATDTNN IQVVFDAVTD IIIANNLRGC GLY
Sequence Length	354
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Gnao1 recombinant protein	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Stimulated by RGS14. The G(o) protein function is not clear.
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References	Alternative splicing produces transcripts encoding two forms of the alpha subunit of GTP-binding protein Go.Strathmann M., Wilkie T.M., Simon M.I.Proc. Natl. Acad. Sci. U.S.A. 87:6477-6481(1990) Lubec G., Klug S., Kang S.U.Submitted (APR-2007) to UniProtKB RGS14 is a novel Rap effector that preferentially regulates the GTPase activity of galphao.Traver S., Bidot C., Spassky N., Baltauss T., De Tand M.F., Thomas J.L., Zalc B., Janoueix-Lerosey I., Gunzburg J.D.Biochem. J. 350:19-29(2000) Functional characterization of Galphao signaling through G protein-regulated inducer of neurite outgrowth 1.Nakata H., Kozasa T.Mol. Pharmacol. 67:695-702(2005)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	164607137
NCBI GeneID	14681
NCBI Accession #	NP_001106855.1
NCBI GenBank Nucleotide #	NM_001113384.1
UniProt Accession #	P18872; P18873
Molecular Weight	42 kDa
NCBI Official Full Name	guanine nucleotide-binding protein G(o) subunit alpha isoform B
NCBI Official Synonym Full Names	guanine nucleotide binding protein, alpha O
NCBI Official Symbol	Gnao1
NCBI Official Synonym Symbols	Gnao; alphaO; Galphao; AW050213
NCBI Protein Information	guanine nucleotide-binding protein G(o) subunit alpha
UniProt Protein Name	Guanine nucleotide-binding protein G(o) subunit alpha
UniProt Gene Name	Gnao1
UniProt Synonym Gene Names	Gna0; Gnao
UniProt Entry Name	GNAO_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.