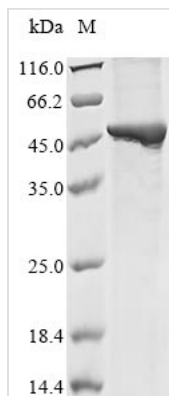




Recombinant Mouse Guanine nucleotide-binding protein subunit alpha-12 (Gna12)

Product Code	CSB-EP009584MO
Abbreviation	Recombinant Mouse Gna12 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P27600
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MSGVVRTLSRCLLP AEAGARERRAGAARDAEREARRRSRDIDALLARERRAV RRLVKILLGAGESGKSTFLKQMRIIHGREFDQKALLEFRDTIFDNILKGSRLV DARDKLGIPWQHSENEKHGMFLMAFENKAGLPVEPATFQLYVPALSALWRDS GIREAFSRRSEFQLGESVKYFLDNLDRIQQLNYFPSKQDILLARKATKGIVEHDF VIKKIPFKMVDVGGQRSQRQKWFQCFDGITSILFMVSSSEYDQVLMEDRRTNR LVESMNIFETIVNNKLFFNVSIILFLNKMDLLVEKVKSVSIIKKHFPDFKGDPHRLE DVQRYLVQCFDRKRRNRSKPLFHHFTTAIDTENIRFVFHAVKDTILQENLKDIML Q
Research Area	Signal Transduction
Source	E.coli
Target Names	Gna12
Expression Region	1-379aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	51.5 kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The process for producing recombinant Mouse Gna12 protein in e.coli cells follows a sequence of steps: creating the expression vector that codes for the Mouse Gna12 protein (1-379aa), introducing it into e.coli cells, cultivating and inducing of positive cells for protein expression, lysing cells, and conducting expression analysis. The resultant recombinant Mouse Gna12 protein is purified from the cell lysate using affinity purification, with its purity exceeding 85%, as determined by SDS-PAGE.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.