

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

Catalog No: #AP70347

Package Size: #AP70347-1 20ug #AP70347-2 100ug #AP70347-3 1mg

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Description

Product Name	Recombinant Mouse Guanine nucleotide-binding protein G(o) subunit alpha(Gnao1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-354aaSequence Info:Full Length
Accession No.	P18872
Calculated MW	44 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	GCTLSAEERAALERSKAIEKNLKEDGISAAKDVKLLLLGAGESGKSTIVKQMKIIHEDGFSGEDVKQYKPVVYSN TIQSLAAIVRAMDTLGVEYGDKERKTDSKMVCDVVSRLMEDTEPFSAELLSAMMRLWGDGSIQECFNRSREYQ LNSAKYYLDSLDRIGAGDYQPTAQDILRTRVKTGIVETHFTFKNLHFRFLFDVGGQRSEKRWIHCFFEDVTAIL FCVALSGYDQVLHEDETTNRMHESLMLFDSICNNKFFIDTSIILFLNKKDLFGKIKKSPLTICFPEYPGSNTYED AAAYIQTQFESKNRSPNKEIYCHMTCATDTNNIQQVVFDAVTDIIANNLRGCGLY
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Functional characterization of Galphao signaling through G protein-regulated inducer of neurite outgrowth 1.Nakata H., Kozasa T.Mol. Pharmacol. 67:695-702(2005)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.