

Recombinant Mouse GNAO1 Protein (2-354 aa), His-tagged

Cat. No. GNAO1-1400M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse GNAO1 Protein (2-354 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	Yeast
ProteinLength	2-354 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	42.0 kDa
AA Sequence	GCTLSAEERAALERSKAIEKNLKEDGISAADVKLLLLGAGESGKSTIVKQMKIIHEDG FSGEDVKQYKPVVYSNTIQSLAAIVRAMDTLGVEYGDKERKTDSKMVCDVVSRLMED TEPFSAELLSAMMRLWGDGSGIQECFNRSREYQLNDSAKYYLDLDRIGAGDYQPTE QDILRTRVKTTGIVETHFTFKNLHFRFLFDVGGQRSEKRWIHCDFEDVTAIIFCVSLSGY DQVLHEDETTNRMHESLMLFDSICNNKFFIDTSIILFLNKKDLFGKIKKSPLTICFPEY PGSNTYEDAAAYIQTFESKNRSPNKEIYCHMTCATDTNNIQVVFDAVTDIIANNLR GCGLY

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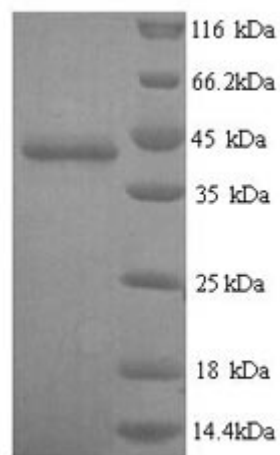
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Gnao1 guanine nucleotide binding protein, alpha O [Mus musculus]
Official Symbol	GNAO1
Synonyms	GNAO1; Go alpha; Gnao; alphaO; Galphao; AW050213;
Gene ID	14681
mRNA Refseq	NM_001113384
Protein Refseq	NP_001106855
UniProt ID	P18872

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

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