

Recombinant Human GNAO1, His-tagged

Cat. No. GNAO1-28088TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 8-329 of Human G0 Protein alpha with N terminal His tag, 322 amino acids, 37kDa.
Species	Human
Source	E.coli
ProteinLength	8-329 a.a.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 133 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EERAALERSKAIEKNLKEDGISAAKDVKLLLLGAGESGKS TIVKQMKIIHEDGFSGED VKQYKPVVYSNTIQSLAAIV RAMDTLGIEYGDKERKADAKMVCDVVSRRMEDTEPFS AE LLSAMMRLWGDSGIQECFNRSREYQLNDSAKYYLDSLD RIGAADYQPTEQDILR TRVKTGTGIVETHFTFKNLHFRL FDVGGQRSEKRWIHCDFEDVTAIIFCVALSGYDQVL HE DETTNRMHESLMLFDSICNNKFFIDTSIILFLNKKDLFGKIKKSPLTICFPEYTGPN TYEDAAAYIQAQFESKNRSP NKEIYCHMTCATDT

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Sequence Similarities Belongs to the G-alpha family. G(i/o/t/z) subfamily.

GENE INFORMATION

Gene Name	GNAO1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O [Homo sapiens]
Official Symbol	GNAO1
Synonyms	GNAO1; guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O; guanine nucleotide-binding protein G(o) subunit alpha; G ALPHA o;
Gene ID	2775
mRNA Refseq	NM_020988
Protein Refseq	NP_066268
MIM	139311
Uniprot ID	P09471
Chromosome Location	16q13
Pathway	Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cholinergic synapse, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem;
Function	G-protein beta/gamma-subunit complex binding; GTP binding; GTPase activity;

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guanyl nucleotide binding; metabotropic serotonin receptor binding;

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