

## Recombinant Human GNAO1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 8-329 of Human G0 Protein alpha with N terminal His tag, 322 amino acids, 37kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	8-329 a.a.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:Reconstitute with 133 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	EERAALERSKAIEKNLKEDGISA AKDVKLLLLGAGESGKS TIVKQMKIIHEDGFSGED VKQYKPVVYSNTIQSLAAIV RAMDTLGI EYGDKERKADAKMVCDVVS RMEDTEPFS AE LLSAMMRLWGD SGIQECFNRSREYQLNDS AKYYLDSLDRIGAADYQPTEQDILR TRVKTTGIVETHFTFKNLHFRL FDVGGQRSERKKWIHC FEDVTAIIFCVALS GYDQVL HE DETTNRMHESLMLFDSICNNKFFIDTSIILFLNKKDLFG EKIKKSPLTICFPEYTGPN TYEDAAAYIQAQFESKNRSP NKEIYCHMTCATDT

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

## GENE INFORMATION

<b>Gene Name</b>	GNAO1 guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O [ Homo sapiens ]
<b>Official Symbol</b>	GNAO1
<b>Synonyms</b>	GNAO1; guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O; guanine nucleotide-binding protein G(o) subunit alpha; G ALPHA o;
<b>Gene ID</b>	2775
<b>mRNA Refseq</b>	NM_020988
<b>Protein Refseq</b>	NP_066268
<b>MIM</b>	139311
<b>Uniprot ID</b>	P09471
<b>Chromosome Location</b>	16q13
<b>Pathway</b>	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;
<b>Function</b>	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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