

Recombinant Full Length Human GNAO1 Protein, C-Flag-tagged

Cat. No. GNAO1-1523HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human GNAO1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene represents the alpha subunit of the Go heterotrimeric G-protein signal-transducing complex. Defects in this gene are a cause of early-onset epileptic encephalopathy. Two transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.9 kDa
AA Sequence	MGCTLSAEERAALERSKAIEKNLKEDGISA AKDVKLLLLGAGESGKSTIVKQMKIIHED GFSGEDVKQYK PVVYSNTIQSLAAIVRAMDTLGIEYGDKERKADAKMVCDVVS RME DTEPFSAELLSAMMRLWGD SG IQEC FNRSREYQLNDSAKYYLDSLDRIGAADYQPT EQDILRTRVKTTGIVETHFTFKNLHFRLFDVGGQRSE RK KWIHCFEDVTAIIFCVALS GYDQVLHEDETTNRMHESLKLFD SICNNKWFTDTSIILFLNKKDIFEEKIK KSPLTICF PEYTGPSAFTEAVAYIQAQYESKNKSAHKEIYTHVTCATDTNNIQFVFDVTDVIIAKN LRG CGLYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Long-term depression, Melanogenesis
Full Length	Full L.

GENE INFORMATION

Gene Name	GNAO1 G protein subunit alpha o1 [Homo sapiens (human)]
Official Symbol	GNAO1
Synonyms	GNAO; HG1G; DEE17; NEDIM; EIEE17; HLA-DQB1; G-ALPHA-o
Gene ID	2775
mRNA Refseq	NM_138736.3
Protein Refseq	NP_620073.2

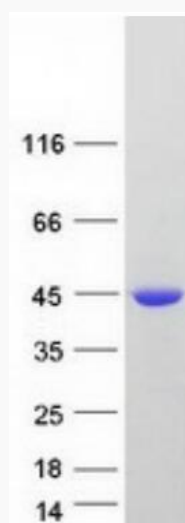
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MIM 139311

UniProt ID P09471



Coomassie blue staining of purified GNAO1 protein.

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