

# 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

MGCTLSAEERAALERSKAIEKNLKEDGISAADVKLLLLGAGESGKSTIVKQMKIIHED  
 GFSGEDVKQYK PVVYSNTIQSLAAIVRAMDTLGIEYGDKERKADAKMVCDVVS  
 RME DTEPFSAELLSAMMRLWGDSGIQEC FNRSREYQLNDSAKYYLDSLDRIGAADYQPT  
 EQDILRTRVKTTGIVETHFTFKNLHFRLFDVGGQRSEK KWIHCFEDVTAIIFCVALS  
 GYDQVLHEDETTNRMHESLKLFDSSICNNKWFTDTSIILFLNKKDIFEKIK KSPLTICF  
 PEYTGPSAFTEAVAYIQAQYESKNKSAHKEIYTHVTCATDTNNIQFVFDVAVTDVIAKN  
 LRG  
 CGLYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

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

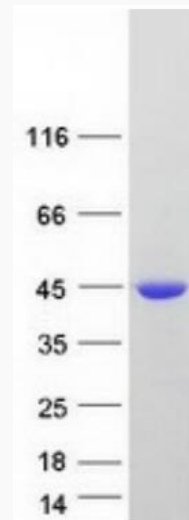
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MIM 139311

UniProt ID P09471



Coomassie blue staining of purified GNAO1 protein.

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