

Product datasheet for PH317958

G0 Protein alpha (GNAO1) (NM_020988) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNAO1 MS Standard C13 and N15-labeled recombinant protein (NP_066268)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217958
Predicted MW:	40.1 kDa
Protein Sequence:	>RC217958 representing NM_020988 Red=Cloning site Green=Tags(s) MGCTLSAEERAALERSKAIEKNLKEDGISAAKDVKLLLLGAGESGKSTIVKQMKIIHEDGFGEDVKQYK PVVYSNTIQSLAAIVRAMDTLGI EYGDKERKADAKMVCDVVS RMEDTEPFSAELL SAMMRLWGD SGIQEC FNRSREYQLNDS AKYYLDSLDRIGAADYQPT EQDILRTRVKTTGIVETHFTFKNLHFRLFDVGGQRSEK KWIHCFEDVTAIIFCVALSGYDQVLHEDETTNRMHESLMLFDSICNKKFFIDTSIILFLNKKDLFGEKIK KSPLTICFPEYTGPN TYEDAAAYIQAQFESKNRSPNKEIYCHMTCATDTNNIQVVFDAVTDIIANNLRG CGLY TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_066268
RefSeq Size:	3332
RefSeq ORF:	1062
Synonyms:	DEE17; EIEE17; G-ALPHA-o; GNAO; HLA-DQB1; NEDIM
Locus ID:	2775



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UniProt ID: [P09471](#), [B3KP89](#), [Q8N6I9](#)

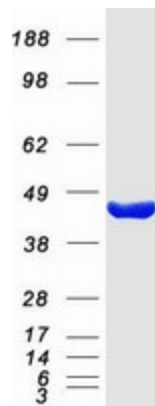
Cytogenetics: 16q13

Summary: 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. [provided by RefSeq, Aug 2015]

Protein Families: Druggable Genome

Protein Pathways: Long-term depression, Melanogenesis

Product images:



Coomassie blue staining of purified GNAO1 protein (Cat# [TP317958]). The protein was produced from HEK293T cells transfected with GNAO1 cDNA clone (Cat# [RC217958]) using MegaTran 2.0 (Cat# [TT210002]).