

Product datasheet for PH306850

GNAI3 (NM_006496) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNAI3 MS Standard C13 and N15-labeled recombinant protein (NP_006487)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206850
Predicted MW:	40.5 kDa
Protein Sequence:	>RC206850 protein sequence Red=Cloning site Green=Tags(s)
	MGCTLSAEDKAAVERSKMIDRNLRDGEKAAKEVKLLLLGAGESGKSTIVKQMKIIHEDGYSEDECKQYK VVVYSNTIQSIIAIIIRAMGRLKIDFGEAARADDARQLFVLAGSAEEGVMTPELAGVIKRLWRDGGVQACF SRSREYQLNDSASYLNDLDRISQSNYIPTQQDVLRTVKTGTGIVETHFTFKDLYFKMFDVGGQRSEK WIHCFEGVTAIIFCVALSDYDLVLAEDEEMNRMHESMKLFDSICNNKWFETTSIILFLNKKDLFEEKIKR SPLTICYPEYTGSNTEAAAYIQCFEDLNRRKDTKEIYTHFTCATDTKKNVQVFDAVTDVVIKNNLKE CGLY
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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_006487
RefSeq Size:	4748
RefSeq ORF:	1062
Synonyms:	87U6; ARCND1
Locus ID:	2773



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UniProt ID: [P08754](#)

Cytogenetics: 1p13.3

Summary: Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling pathways. G proteins are composed of 3 units: alpha, beta and gamma. This gene encodes an alpha subunit and belongs to the G-alpha family. Mutation in this gene, resulting in a gly40-to-arg substitution, is associated with auriculocondylar syndrome, and shown to affect downstream targets in the G protein-coupled endothelin receptor pathway. [provided by RefSeq, Jun 2012]

Protein Families: Druggable Genome

Protein Pathways: Axon guidance, Chemokine signaling pathway, Gap junction, Leukocyte transendothelial migration, Long-term depression, Melanogenesis, Progesterone-mediated oocyte maturation, Tight junction

Product images:



Coomassie blue staining of purified GNAI3 protein (Cat# [TP306850]). The protein was produced from HEK293T cells transfected with GNAI3 cDNA clone (Cat# [RC206850]) using MegaTran 2.0 (Cat# [TT210002]).