

Product datasheet for PH300685

GNAT2 (NM_005272) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNAT2 MS Standard C13 and N15-labeled recombinant protein (NP_005263)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200685
Predicted MW:	40.2 kDa
Protein Sequence:	>RC200685 protein sequence Red=Cloning site Green=Tags(s)

MMSGASAEDEKELAKRSKELEKLLQEDADKEAKTVKLLLLGAGESGKSTIVKQMKIIHQDGYSPREELEFK
AIIYGNVLQSILAIIRAMTTLGIDYAEPSCADDGRQLNNLADSIIEGTMPPELVEVIRRLWKDGGVQACF
ERAAEYQLNDSASYLNQLERITDPEYLPSEQDVLRSRVKTTGIIETKFSVKDLNFRMFDVGGQRSEK
WIHCFEGVTCIIFCAALSAYDMVLVEDDEVNRMHESLHLFNSICNHKFFAATSIVLFLNKKDLFEEKIKK
VHLSICFPEYDGNNSYDDAGNYIKSQFLDLNMRKDVKEIYSHMTCATDTQNVKVFVDAVTDIIKENLKD
CGLF

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_005263
RefSeq Size:	1384
RefSeq ORF:	1062
Synonyms:	ACHM4; GNATC
Locus ID:	2780



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UniProt ID: [P19087](#), [Q5T697](#)

Cytogenetics: 1p13.3

Summary: Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phosphodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in cones. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified GNAT2 protein (Cat# [TP300685]). The protein was produced from HEK293T cells transfected with GNAT2 cDNA clone (Cat# [RC200685]) using MegaTran 2.0 (Cat# [TT210002]).