

Product datasheet for PH324201

GNAT3 (NM_001102386) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GNAT3 MS Standard C13 and N15-labeled recombinant protein (NP_001095856)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224201
Predicted MW:	40.2 kDa
Protein Sequence:	>RC224201 representing NM_001102386 Red=Cloning site Green=Tags(s) MSGISSSESKESAKRSKELEKLLQEDAERDARTVKLLLLGAGESGKSTIVKQMKIIHKNGYSEQECMEFK AVIYSNTLQSIILAIVKAMTTLGIDYVNPRAEDQRQLYAMANTLEDGGMTPQLAEVIKRLWRDPGIQACF ERASEYQLNDSAAYYLNLDLDRITASGYVPNEQDVLHSRVKTTGIIETQFSFKDLHFRMFVGGQRSEK WIHCFEGVTCIIFCAALSAYDMVLVEDEEVNRMHESLHLFNSICNHKYFSTTSIVLFLNKKDIFQEYKTK VHLSICFPEYTGPNTFEDAGNYIKNQFLDLNLKKEDKEIYSHMTCATDTQNVKVFVDAVTDIIKENLKD CGLF 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:	<u>NP_001095856</u>
RefSeq Size:	1065
RefSeq ORF:	1062
Synonyms:	GDCA
Locus ID:	346562



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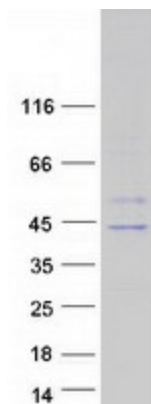
UniProt ID: [A8MTJ3](#)

Cytogenetics: 7q21.11

Summary: Sweet, bitter, and umami tastes are transmitted from taste receptors by a specific guanine nucleotide binding protein. The protein encoded by this gene is the alpha subunit of this heterotrimeric G protein, which is found not only in the oral epithelium but also in gut tissues. Variations in this gene have been linked to metabolic syndrome. [provided by RefSeq, Dec 2015]

Protein Pathways: Taste transduction

Product images:



Coomassie blue staining of purified GNAT3 protein (Cat# [TP324201]). The protein was produced from HEK293T cells transfected with GNAT3 cDNA clone (Cat# [RC224201]) using MegaTran 2.0 (Cat# [TT210002]).