

Product datasheet for PH300836

GTPBP3 (NM_032620) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GTPBP3 MS Standard C13 and N15-labeled recombinant protein (NP_116009)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200836
Predicted MW:	52 kDa
Protein Sequence:	>RC200836 protein sequence Red=Cloning site Green=Tags(s)

MWRGLWTLAAQAARGPRRLCTRRSSGAPAPGSGATIFALSSGQGRGCIIVIRTSGPASGHALRILTAPRD
LPLARHASLRLLSDPRSGEPLDRALVLFPGPQSFTGEDCVEFHVHGPPAVVSGVLQALGSVPGLRPAEA
GEFTRRAFANGKLNLTVEGLADLIHAETEAQRRQALRQLDGELGHLCRGWAETLTKALAHVEAYIDFG
DDNLEEGVLEQADIEVRALQVALGAHLRDARRQRLRSGVHVVTGPPNAGKSSLVNLRSRKPVSIVSPE
PGTTRDVLETPVDLAGFPVLLSDTAGLREGVGPVEQEGVRRARERLEQADLILAMLDAASPLSSCNFL
ATVVASVGAQSPSDSSQHLLLVLNKSDLLSPEGPGPDLPPHLLLSCLTGEGLDGLLEALRKEAAVCG
DPSTDPPLLTRARHQHLLQGCLDALGHYKQSKDLALAAEALRVARGHLTRLTGGGGTEEILDIIIFQDFCV
GK

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_116009</u>
RefSeq Size:	2612
RefSeq ORF:	1476



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Synonyms: COXPD23; GTPBG3; MSS1; MTGP1; THDF1

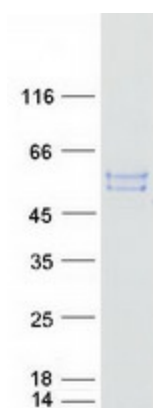
Locus ID: 84705

UniProt ID: [Q969Y2](#)

Cytogenetics: 19p13.11

Summary: This locus encodes a GTP-binding protein. The encoded protein is localized to the mitochondria and may play a role in mitochondrial tRNA modification. Polymorphisms at this locus may be associated with severity of aminoglycoside-induced deafness, a disease associated with a mutation in the 12S rRNA. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2010]

Product images:



Coomassie blue staining of purified GTPBP3 protein (Cat# [TP300836]). The protein was produced from HEK293T cells transfected with GTPBP3 cDNA clone (Cat# [RC200836]) using MegaTran 2.0 (Cat# [TT210002]).