

Product datasheet for PH305663

GTPBP5 (MTG2) (NM_015666) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GTPBP5 MS Standard C13 and N15-labeled recombinant protein (NP_056481)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205663
Predicted MW:	44 kDa
Protein Sequence:	>RC205663 protein sequence Red=Cloning site Green=Tags(s)

MAPARCF SARLRTVFQGVGHWALSTWAGLKPSRLLPQRASPRLLSVGRADLAKHQELPGKKLLSEKKLKR
YFVDYRRVLVCGNGGAGASCFHSEPRKEFGGPDGGDGGNGGHVILRVDQQVKSLSSVL SRYQGFSGEDG
GSKNCFGRSGAVLYIRVPVGTLVKEGGRVVADLSCVGDEYIAALGGAGGKGNRFFLANNRPAVPTCTPGQ
PGQQRVLHLELKTVAHAGMVGFPNAGKSSLLRAISNARPAVASYPFTTLKPHVGI VHYEGHLQIAVADIP
GIIRGAHQNRGLGSAFLRHIERCRFLFVVDLSQPEPWTQVDDLKYELEMYEKGLSARPHAIVANKIDL P
EAQANLSQLRDHLGQEVIVLSAL TGENLEQLLLHLKVL YDAYAEAEELGQGRQPLRW

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_056481</u>
RefSeq Size:	2949
RefSeq ORF:	1218
Synonyms:	dj1005F21.2; GTPBP5; ObgH1
Locus ID:	26164



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UniProt ID: [Q9H4K7](#)

Cytogenetics: 20q13.33

Summary: Small G proteins, such as GTPBP5, act as molecular switches that play crucial roles in the regulation of fundamental cellular processes such as protein synthesis, nuclear transport, membrane trafficking, and signal transduction (Hirano et al., 2006 [PubMed 17054726]). [supplied by OMIM, Mar 2008]

Product images:



Coomassie blue staining of purified MTG2 protein (Cat# [TP305663]). The protein was produced from HEK293T cells transfected with MTG2 cDNA clone (Cat# [RC205663]) using MegaTran 2.0 (Cat# [TT210002]).