

# **Product datasheet for PH305663**

#### OriGene Technologies, Inc.

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## 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 **HEK293 Expression Host: Expression cDNA Clone** 

or AA Sequence:

RC205663

Predicted MW: 44 kDa

>RC205663 protein sequence **Protein Sequence:** 

Red=Cloning site Green=Tags(s)

MAPARCFSARLRTVFQGVGHWALSTWAGLKPSRLLPQRASPRLLSVGRADLAKHQELPGKKLLSEKKLKR YFVDYRRVLVCGGNGGAGASCFHSEPRKEFGGPDGGDGGNGGHVILRVDQQVKSLSSVLSRYQGFSGEDG GSKNCFGRSGAVLYIRVPVGTLVKEGGRVVADLSCVGDEYIAALGGAGGKGNRFFLANNNRAPVTCTPGQ PGQQRVLHLELKTVAHAGMVGFPNAGKSSLLRAISNARPAVASYPFTTLKPHVGIVHYEGHLQIAVADIP GIIRGAHONRGLGSAFLRHIERCRFLLFVVDLSQPEPWTQVDDLKYELEMYEKGLSARPHAIVANKIDLP

EAQANLSQLRDHLGQEVIVLSALTGENLEQLLLHLKVLYDAYAEAELGQGRQPLRW

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

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: NP 056481

RefSeg Size: 2949 RefSeq ORF: 1218

Synonyms: dJ1005F21.2; GTPBP5; ObgH1

26164 Locus ID:





#### GTPBP5 (MTG2) (NM\_015666) Human Mass Spec Standard - PH305663

UniProt ID: Q9H4K7

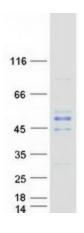
Cytogenetics: 20q13.33

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]).