

## Product datasheet for **TP305663L**

### GTPBP5 (MTG2) (NM\_015666) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human GTP binding protein 5 (putative) (GTPBP5), 1 mg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC205663 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAPARCF SARLRTVFQGVGHWALSTWAGLKPSRLLPQRASPRLLSVGRADLAKHQELPGKLLSEKLLKR  
YFVDYRRVLVCGGNGGAGASCFHSEPRKEFGGPDGGDGGNGGHVILRVDQQVKSLSSVLSRYQGFSGEDG  
GSKNCFGRSGAVLYIRVPVGTLVKEGGRVWADLSCVGDEYIAALGGAGGKGNRFFLANNNRAPVTCTPGQ  
PGQQRVLHLELKTVAHAGMVGFPNAGKSSLLRAISNARPAVASYPFTTLKPHVGIVHYEGHLQIAVADIP  
GIIRGAHQNRGLGSAFLRHIERCRFLLFVVDLSQPEPWTQVDDLKYELEMYEKGLSARPHAIVANKIDL  
EAQANLSQLRDHLGQEVIVLSALTGENLEQLLLHLKVLYDAYAEALGQGRQPLRW

**TR**TRPLE**QKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 43.8 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_056481](#)  
**Locus ID:** 26164



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UniProt ID:	<a href="#">Q9H4K7</a>
RefSeq Size:	2949
Cytogenetics:	20q13.33
RefSeq ORF:	1218
Synonyms:	dj1005F21.2; GTPBP5; ObgH1
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]).