

## Product datasheet for **TP303484M**

### 5T4 (TPBG) (NM\_006670) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human trophoblast glycoprotein (TPBG), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203484 representing NM\_006670  
Red=Cloning site Green=Tags(s)

MPGGCSRGPAAGDGRLRLARLALVLLGWVSSSSPTSSASSFSSAPFLASAVSAQPPLPDQCPALCECE  
AARTVKCVNRNLTEVPTDLPAYVRNFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLEVRAGAFEH  
LPSLRQLDLSHNPLADLSPFAFSGSNASVSAPSPLVELILNHIVPPEDERQNRSEFGMVVAALLAGRALQ  
GLRRLELASNHFLYLPRDVLAQLPSLRHLDLSNNSLVSLTYVSFRNLTHLESLHLEDNALKVLHNGTLAE  
LQGLPHIRVFLDNNPWVCDCHMADMVTWLKETEVVQGDRLTCAYPEKMRNRVLELNSADLDCDPIPPP  
SLQTSYVFLGIVLALIGAIFFLLVLYLNRKGIKKWMHNIIRDACRDHMEGYHYRYEINADPRLTNLSSNSDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 45.9 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\\_006661](#)

**Locus ID:** 7162



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UniProt ID: [Q13641](#)

RefSeq Size: 2379

Cytogenetics: 6q14.1

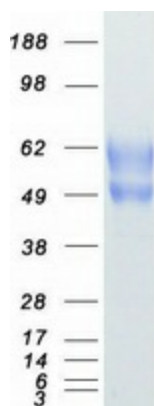
RefSeq ORF: 1260

Synonyms: 5T4; 5T4AG; M6P1; WAIF1

**Summary:** This gene encodes a leucine-rich transmembrane glycoprotein that may be involved in cell adhesion. The encoded protein is an oncofetal antigen that is specific to trophoblast cells. In adults this protein is highly expressed in many tumor cells and is associated with poor clinical outcome in numerous cancers. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein. [provided by RefSeq, Oct 2009]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified TPBG protein (Cat# [TP303484]). The protein was produced from HEK293T cells transfected with TPBG cDNA clone (Cat# [RC203484]) using MegaTran 2.0 (Cat# [TT210002]).