

Product datasheet for TP303484L

5T4 (TPBG) (NM_006670) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human trophoblast glycoprotein (TPBG), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC203484 representing NM_006670
Red=Cloning site Green=Tags(s)

MPGGCSRGPAAGDGRLRLARLALVLLGWVSSSSPTSSASSFSSAPFLASAVSAQPPLPDQCPALCECE
AARTVKCVNRNLTEVPTDLPAYVRNFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLEVRAGAFEH
LPSLRQLDLSHNPLADLSPFAFSGSNASVSAPSPLVELILNHIVPPEDERQNRSEFGMMVAALLAGRALQ
GLRRLELASNHFLYLPRDVLAQLPSLRHLDLSNNSLVSLTYVSFRNLTHLESLHLEDNALKVLHNGTLAE
LQGLPHIRVFLDNNPWVCDCHMADMVTWLKETEVVQGDRLTCAYPEKMRNRVLELNSADLDCDPIPPP
SLQTSYVFLGIVLALIGAIFFLLVLYLNRKGIKWMHNIIRDACRDHMEGYHYRYEINADPRLTNLSSNSDV

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

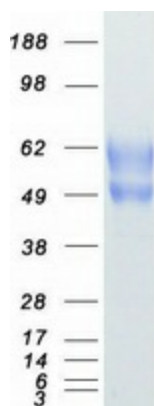
RefSeq ORF: 1260

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]).