

Product datasheet for PH303484

5T4 (TPBG) (NM_006670) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TPBG MS Standard C13 and N15-labeled recombinant protein (NP_006661)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203484
Predicted MW:	45.9 kDa
Protein Sequence:	>RC203484 representing NM_006670 Red=Cloning site Green=Tags(s)

MPGGCSRGAAGDGRRLRLARLALVLLGWVSSSPTSSASSFSSSAPFLASAVSAQPPLPDQCPALCECSE
AARTVKCVNRNLTEVPTDLPAYVRNFLFTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRAFAFEH
LPSLRQLDLSHNPLADLSPFAFSGSNASVSAPSPLVELILNHIVPPEDERQNRSEFEGMVVAALLAGRALQ
GLRRLELASNHFLYLPRDVLAQLPSLRHLDLNNLSLVSLEYVYVFRNLTHLESLHLEDNALKVHLNGTLAE
LQGLPHIRVFLDNNPWVCDCHMADMVTLKETEVVQGDRLTCAYPEKMRNRVLELNSADLDCDPILPP
SLQTSYVFLGIVLALIGAIFFLLVLYLNRKGIKKWMHNIRDACRDHMEGYHYRYEINADPRLTNLSSNSDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_006661</u>
RefSeq Size:	2379
RefSeq ORF:	1260
Synonyms:	5T4; 5T4AG; M6P1; WAIF1
Locus ID:	7162



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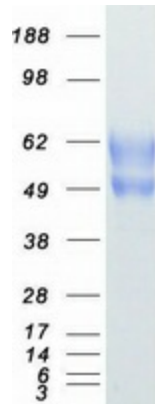
UniProt ID: [Q13641](#)

Cytogenetics: 6q14.1

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]).