

Recombinant Human TPBG Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. TPBG-271H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TPBG MS Standard C13 and N15-labeled recombinant protein (NP_006661) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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]
Molecular Mass	45.9 kDa
AA Sequence	MPGGCSRGAAGDGRLRLARLALVLLGWVSSSSPTSSASSFSSSAPFLASAVSAQP PLPDQCPALCECSEAARTVKCVNRNLTEVPTDLPAYVRNFLTGNQLAVLPAGAFAR RPPLAELAALNLSGSRLDEVRAFAFEHLPSLRQLDLSHNPLADLSPFAFSGSNASVS APSPLEVELLNHIVPPEDERQNRSFEGMVVAALLAGRALQGLRRLELASNHFLYLPRD VLAQLPSLRHLDLSNNSLVSLTYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPH IRVFLDNNPWCDCHMADMVTWLKETEVVQGKDRLTCAYPEKMRNRVLLELNSAD LDCDPILPPSLQTSYVFLGIVLALIGAIFLLVLYLNKGIKKWMHNIRDACRDHMEGYH

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YRYEINADPRLTNLSSNSDVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

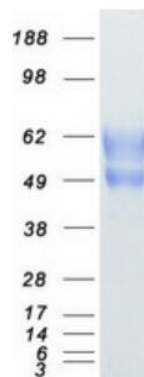
GENE INFORMATION

Gene Name	TPBG trophoblast glycoprotein [Homo sapiens (human)]
Official Symbol	TPBG
Synonyms	TPBG; trophoblast glycoprotein; 5T4; 5T4 AG; 5T4 oncofetal antigen; 5T4 oncotrophoblast glycoprotein; 5T4 oncofetal trophoblast glycoprotein; M6P1; 5T4AG;
Gene ID	7162
mRNA Refseq	NM_006670
Protein Refseq	NP_006661
MIM	190920
UniProt ID	Q13641

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SDS-PAGE

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