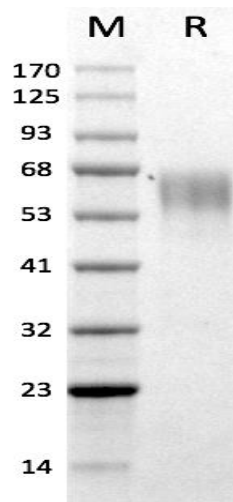


# Human CellExp™ TPBG, Human Recombinant

<b>CATALOG NO:</b>	P1553-10 10 µg P1553-50 50 µg
<b>ALTERNATE NAMES:</b>	Trophoblast glycoprotein, 5T4 oncofetal antigen, 5T4 oncofetal trophoblast glycoprotein, 5T4 oncotrophoblast glycoprotein, M6P1, Wnt-activated inhibitory factor 1, WAIF1
<b>MOL. WT.</b>	36.5 kDa (6xHis tag fused to C-terminus with GS linker)
<b>SOURCE:</b>	HEK 293 cells
<b>PURITY:</b>	>95% SDS - PAGE
<b>FORM:</b>	Lyophilized
<b>FORMULATION:</b>	Lyophilized from 0.22 µm filtered PBS (pH 7.4) with 5% trehalose
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in sterile PBS (pH 7.4). Do not vortex.
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Once reconstituted, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>DESCRIPTION:</b>	Trophoblast glycoprotein, also known as TPBG or 5T4, is a human cell surface protein encoded by a TPBG gene and an antagonist of the Wnt/β-catenin signaling pathway. TPBG/5T4 is rarely expressed in normal adult tissues, but is present at high levels in placenta and in most common tumors, typically more than 80% of carcinomas of the kidney, breast, colon, prostate, and ovary. Due to its selective expression, it is often used as a prognostic aid in cancer cases. Recently, it has been shown that TPBG inhibits Wnt/β-catenin signaling, a signaling system central to many developmental and pathological processes and therefore serves as a therapeutic target of several anticancer agents currently in clinical development.
<b>AMINO ACID SEQUENCE:</b>	Ser 32 – Ser 355



**SDS-PAGE (4-20%) of Recombinant TPBG:** The recombinant protein is loaded under reducing (R) conditions and stained with Coomassie Blue. The protein migrates around ~60 kDa due to glycosylation.

## RELATED PRODUCTS:

- Wnt-1 Antibody (Cat. No. 5754)
- Wnt-2 Antibody (Cat. No. 3572R)
- Wnt-4 Antibody (Cat. No. 3574R)
- WNT-1, human recombinant (4754)

**FOR RESEARCH USE ONLY! Not to be used on humans.**