FITC-Labeled Human TPBG/5T4 Protein

Cat. No. 5T4-HM401F

Description

Source	Recombinant FITC-Labeled Human TPBG/5T4 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.
	It contains Ser32-Ser355.
Accession	Q13641-1
Molecular Weight	The protein has a predicted MW of 38.2 kDa. Due to glycosylation, the protein migrates to 50-70 kDa based on Bis-Tris PAGE result.
Wavelength	Excitation Wavelength: 490 nm
	Emission Wavelength: 520 nm
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

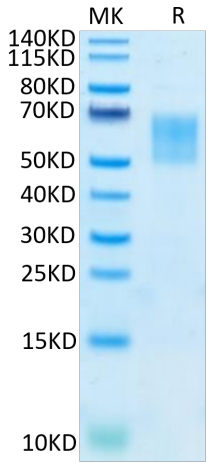
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The oncofetal tumor-associated antigen 5T4 (TBGP) has been linked with CSC properties in several different malignancies. 5T4 has functional attributes that are relevant to the spread of tumors including through EMT, CXCR4/CXCL12, Wnt, and Hippo pathways which may all contribute through the mobilization of CSCs.

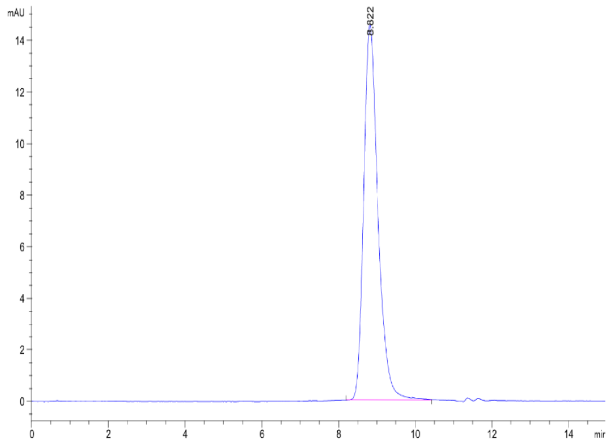
Assay Data

Bis-Tris PAGE



FITC-Labeled Human TPBG on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



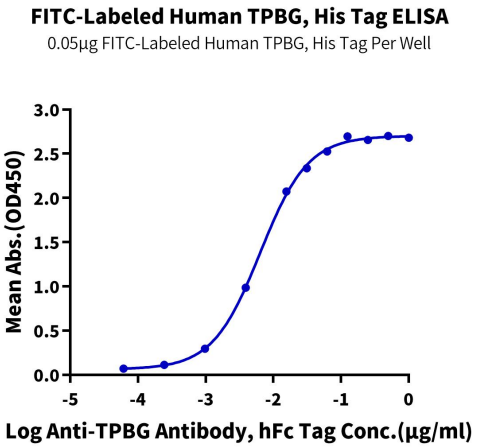
The purity of FITC-Labeled Human TPBG is greater than 95% as determined by SEC-HPLC.

FITC-Labeled Human TPBG/5T4 Protein

Cat. No. 5T4-HM401F

Assay Data

ELISA Data



Immobilized FITC-Labeled Human TPBG, His Tag at 0.5μg/ml(100μl/well) on the plate. Dose response curve for Anti-TPBG Antibody, hFc Tag with the EC50 of 6.4ng/ml determined by ELISA (QC Test).