

# FITC-Labeled Human TPBG/5T4 Protein

Cat. No. 5T4-HM401F

## Description

<b>Source</b>	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.
<b>Accession</b>	Q13641-1
<b>Molecular Weight</b>	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.
<b>Wavelength</b>	Excitation Wavelength: 490 nm Emission Wavelength: 520 nm
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

## Formulation and Storage

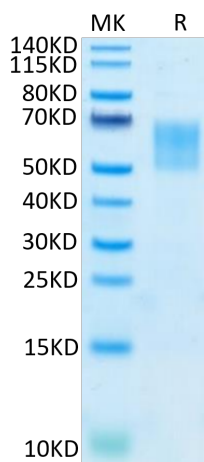
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## 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%.