

Cynomolgus TPBG/5T4 Protein, Ultra Low Endotoxin

Cat. No. 5T4-CM101-UL

Description

Source	Recombinant Cynomolgus TPBG/5T4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr35-Ser355.
Accession	Q4R8Y9
Molecular Weight	The protein has a predicted MW of 35.95 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

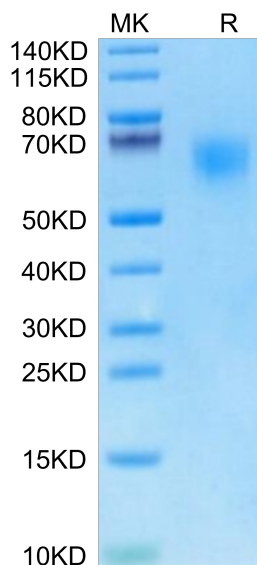
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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

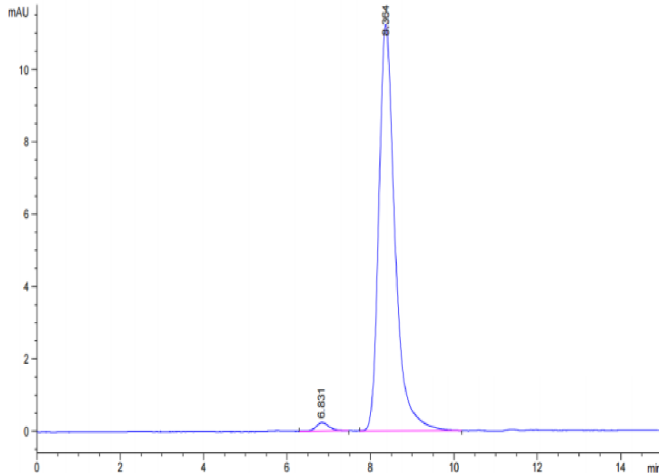
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

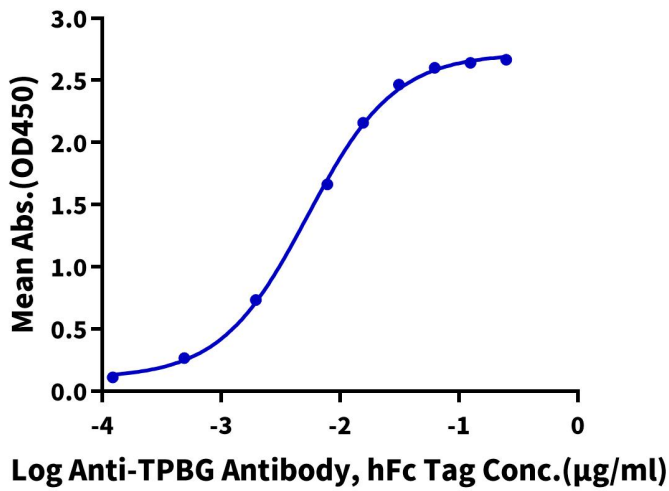


The purity of Cynomolgus TPBG is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus TPBG, His Tag ELISA

0.05µg Cynomolgus TPBG, His Tag Per Well



Immobilized Cynomolgus 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 5.3ng/ml determined by ELISA (QC Test).