

Human TSPAN8 Protein, Ultra Low Endotoxin



Cat. No. TSP-HM2N8-UL

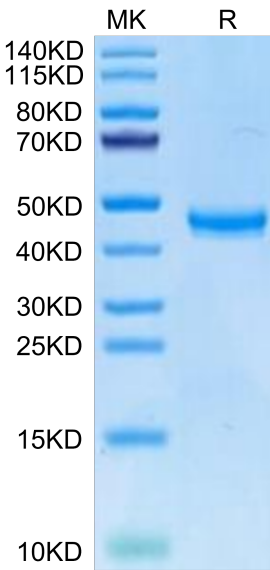
Description	
Source	Recombinant Human TSPAN8 Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Lys110-Asn205.
Accession	P19075
Molecular Weight	The protein has a predicted MW of 37.30 kDa. Due to glycosylation, the protein migrates to 43-48 kDa based on Bis-Tris PAGE result.
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	
Tetraspanin 8 (TSPAN8) is a member of the tetraspanin superfamily that forms TSPAN8-mediated protein complexes by interacting with themselves and other various cellular signaling molecules.In physiological conditions, TSPAN8 plays a vital role in the regulation of biological functions, including leukocyte trafficking, angiogenesis and wound repair.	

Assay Data

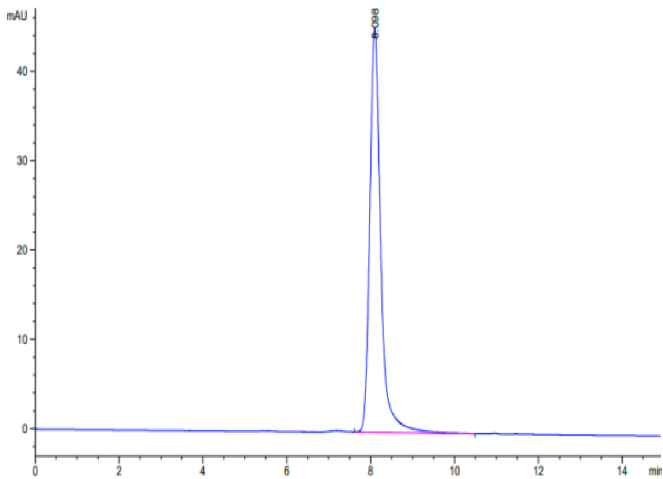
Bis-Tris PAGE



Human TSPAN8 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

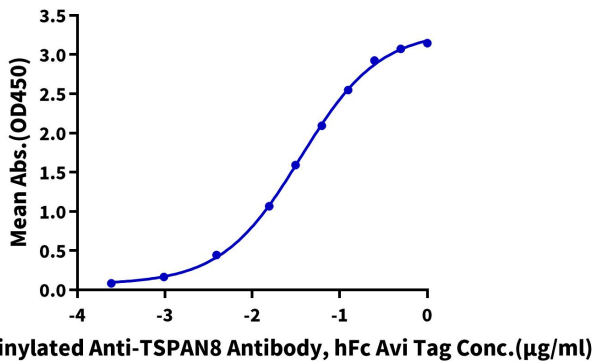
Assay Data



The purity of Human TSPAN8 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human TSPAN8, hFc Tag ELISA
0.2µg Human TSPAN8, hFc Tag Per Well



Immobilized Human TSPAN8, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-TSPAN8 Antibody, hFc Avi Tag with the EC50 of 35.7ng/ml determined by ELISA.