Human ROBO4 Protein, Ultra Low Endotoxin

Cat. No. ROB-HM104-UL

Description

Source	Recombinant Human ROBO4 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ala27-Glu469.
Accession	Q8WZ75-1
Molecular Weight	The protein has a predicted MW of 47.8 kDa. Due to glycosylation, the protein migrates to 55-70 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

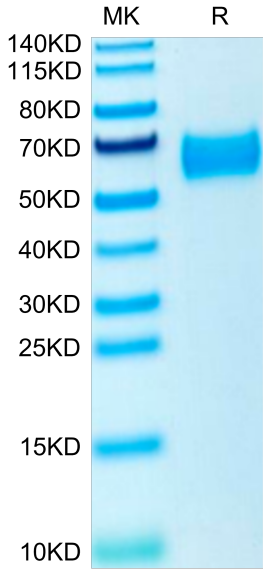
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

Roundabout4 (Robo4) is a transmembrane receptor that belongs to the Roundabout (Robo) family of axon guidance molecules. Robo4 is an endothelial-specific receptor that participates in endothelial cell migration, proliferation, and angiogenesis and the maintenance of vasculature homeostasis. Robo4 is a promising and potentially valuable therapeutic target for treating pathological angiogenesis and developmental defects in angiogenesis.

Assay Data

Bis-Tris PAGE



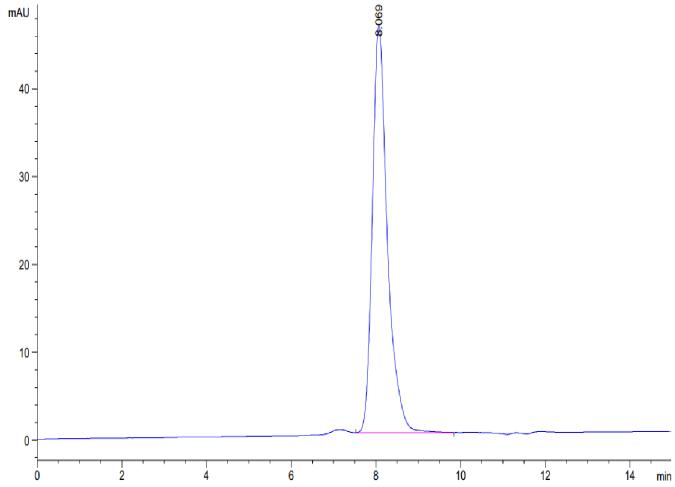
Human ROBO4 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Human ROBO4 Protein, Ultra Low Endotoxin

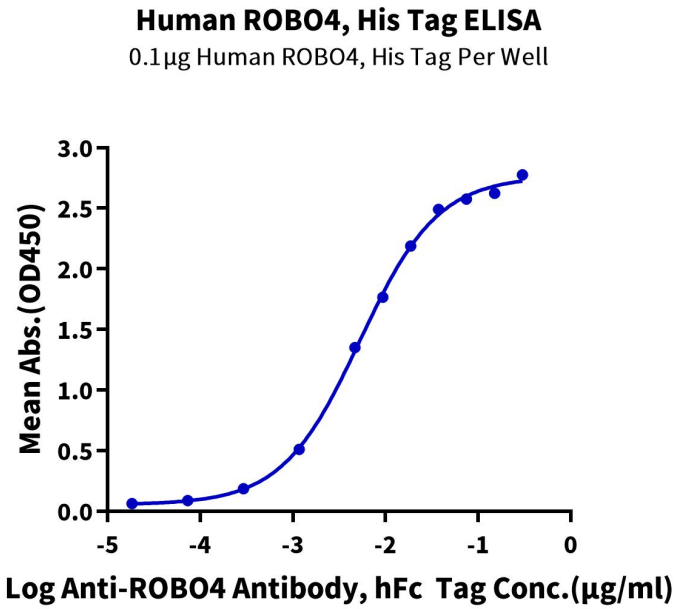
Cat. No. ROB-HM104-UL

Assay Data



The purity of Human ROBO4 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human ROBO4, His Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Anti-ROBO4 Antibody, hFc Tag with the EC50 of 5.3ng/ml determined by ELISA (QC Test).