

Human ECSCR Protein

Cat. No. ECS-HM201



Description

Source	Recombinant Human ECSCR Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Gln25-Ala124.
Accession	Q19T08
Molecular Weight	The protein has a predicted MW of 36.8 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Bis-Tris PAGE result.
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

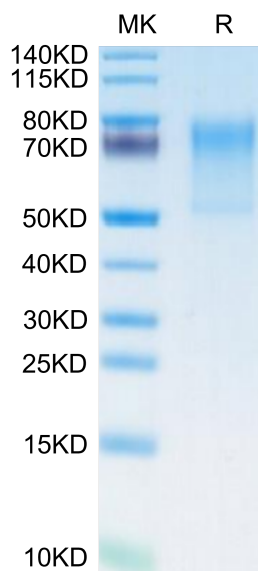
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Endothelial cell-specific chemotaxis receptor (ECSCR) is a cell surface protein expressed by blood endothelial cells with roles in endothelial cell migration and signal transduction. Zebrafish *ecscr* is expressed in angioblasts and in axial vessels during angioblast migration and vasculogenesis. Morpholino-directed *ecscr* knockdown resulted in defective angioblast migration in the posterior lateral plate mesoderm, a process known to depend on vascular endothelial-derived growth factor (VEGF).

Assay Data

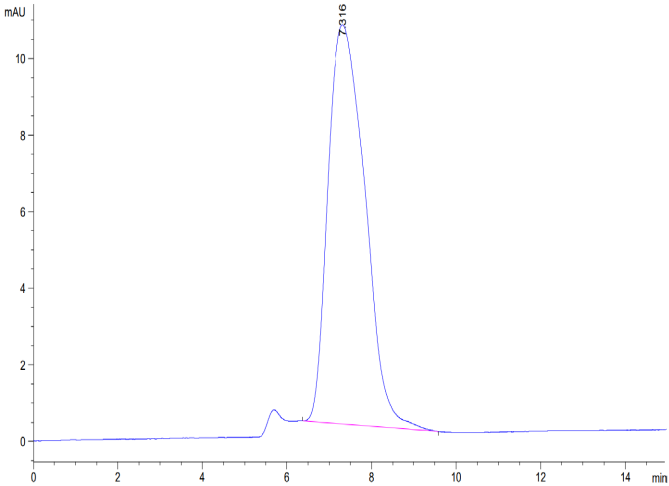
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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