

## Mouse ECSCR Protein

Cat. No. ECS-MM201

### Description

|                         |  |
|-------------------------|--|
| <b>Source</b>           | Recombinant Mouse ECSCR Protein is expressed from HEK293 with hFc tag at the C-Terminus.<br>It contains Gln19-Thr130.              |
| <b>Accession</b>        | Q3TZW0-1   |
| <b>Molecular Weight</b> | The protein has a predicted MW of 38.6 kDa. Due to glycosylation, the protein migrates to 48-68 kDa based on Bis-Tris PAGE result. |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.  |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC  |

### Formulation and Storage

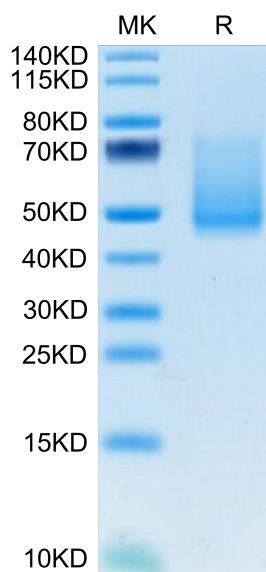
|                    |  |
|--------------------|--|
| <b>Formulation</b> | Supplied as 0.22µm filtered solution in 20mM Tris,150mM NaCl (pH 8.2).   |
| <b>Storage</b>     | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

### Background

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

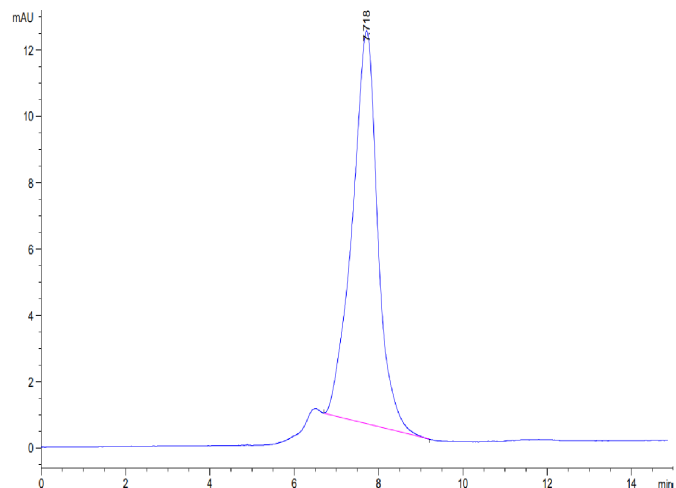
#### Bis-Tris PAGE



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

#### SEC-HPLC

Assay Data



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