

Mouse Ephrin-A3/EFNA3 Protein

Cat. No. EFN-MM2A3

Description

| | |
|-------------------------|--|
| Source | Recombinant Mouse Ephrin-A3/EFNA3 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln23-Gly206. |
| Accession | O08545 |
| Molecular Weight | The protein has a predicted MW of 47.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per μg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

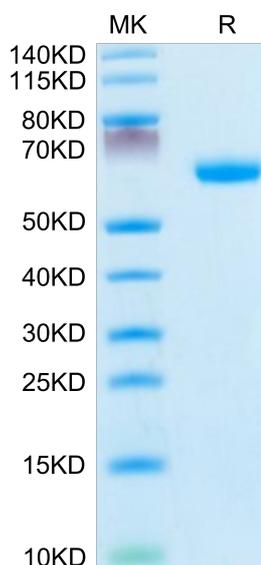
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for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

Interaction of Eph receptor tyrosine kinases with their membrane bound ephrin ligands initiates bidirectional signaling events that regulate cell migratory and adhesive behavior. Whole-mount in situ hybridization revealed overlapping expression of the Epha1 receptor and its high-affinity ligands ephrin A1 (Efna1) and ephrin A3 (Efna3) in the primitive streak and the posterior paraxial mesoderm during early mouse development.

Assay Data

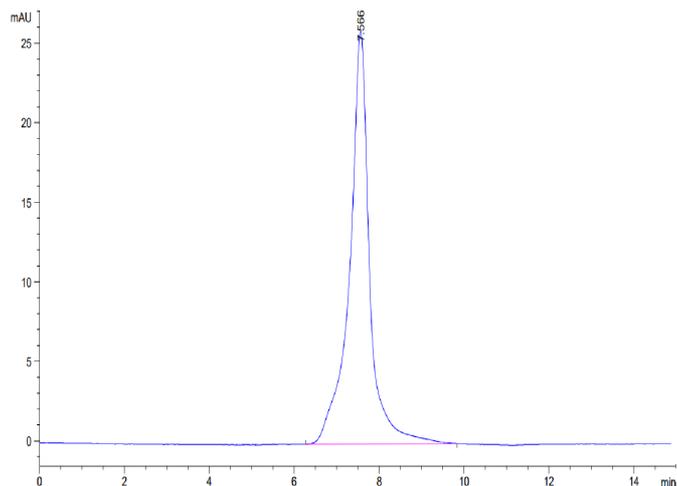
Bis-Tris PAGE



Mouse Ephrin-A3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse Ephrin-A3 is greater than 95% as determined by SEC-HPLC.