

Human/Cynomolgus Ephrin-A3/EFNA3 Protein

Cat. No. EFN-HM2A3

Description

Source	Recombinant Human/Cynomolgus Ephrin-A3/EFNA3 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gln23-Ser213.
Accession	P52797-1
Molecular Weight	The protein has a predicted MW of 41.8 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis 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. -20 to -80°C for 3-6 months in unopened state 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

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

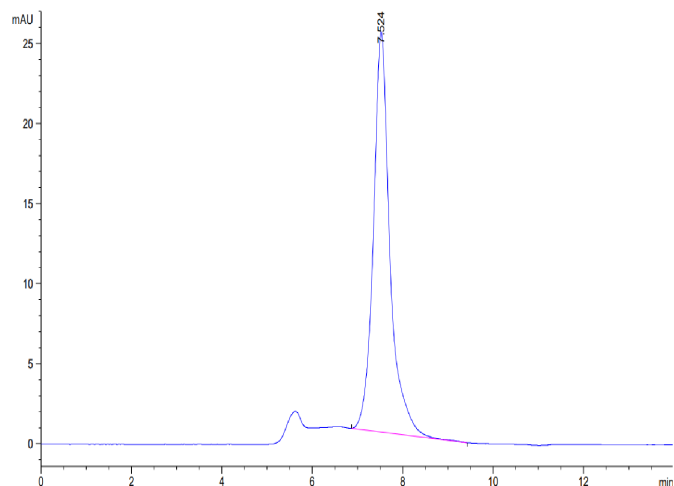
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

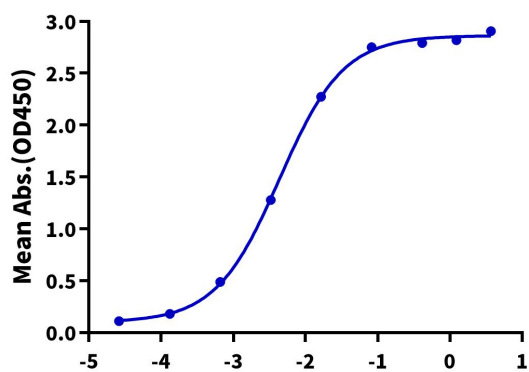


The purity of Human/Cynomolgus Ephrin-A3 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human/Cynomolgus Ephrin-A3, hFc Tag ELISA

0.5µg Human EPHA10, His Tag Per Well



Immobilized Human EPHA10, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Human/Cynomolgus EFNA3, hFc Tag with the EC50 of 4.4ng/ml determined by ELISA.