

Mouse Ephrin-A4 / EFNA4 Protein, Fc Tag (MALS verified)

Catalog # EA4-M5253



Synonyms

EFNA4, EPLG4, LERK4, Ephrin-A4

Source

Mouse Ephrin-A4 Protein, Fc Tag (EA4-M5253) is expressed from human 293 cells (HEK293). It contains AA Leu 26 - Gly 176 (Accession # [Q3UQB5](#)).

Predicted N-terminus: Leu 26

Molecular Characterization

Ephrin-A4(Leu 26 - Gly 176) Q3UQB5	Fc(Pro 100 - Lys 330) P01857-1
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This protein carries a human IgG1 Fc tag at the C-terminus.

The protein has a calculated MW of 43.3 kDa. The protein migrates as 50-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Shipping and Storage

This product is shipped at ambient temperature.

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

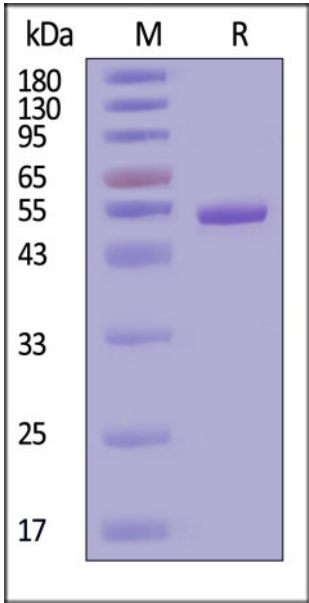
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

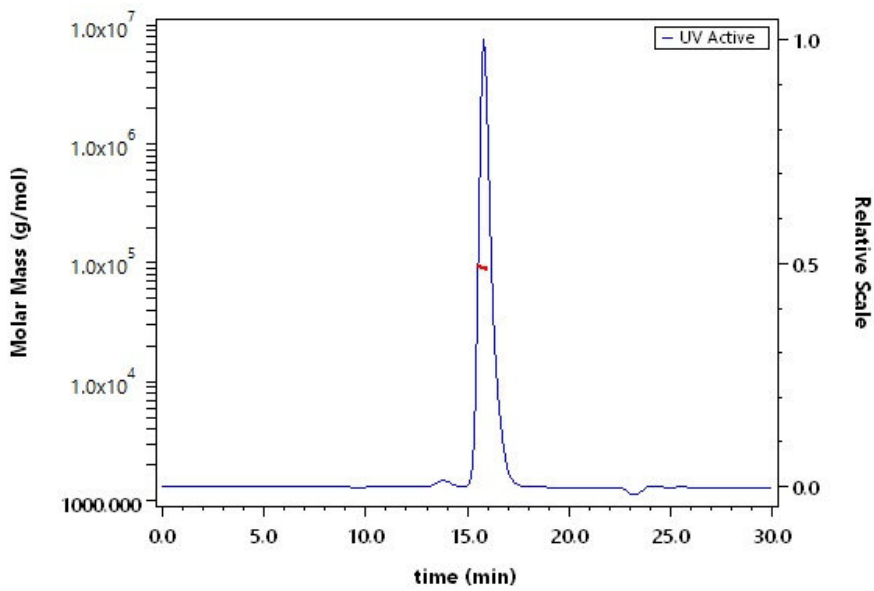
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Mouse Ephrin-A4 Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Mouse Ephrin-A4 Protein, Fc Tag (Cat. No. EA4-M5253) is more than 90% and the molecular weight of this protein is around 86-120 kDa verified by SEC-MALS.

Background

Mouse Ephrin-A4 is a GPI-anchored member of the ephrin-A ligand family that regulates cell–cell communication through binding to EphA receptors, including EphA2, EphA4, and EphA7. It plays essential roles in axon guidance, neuronal patterning, tissue boundary formation, and immune cell positioning. Ephrin-A4–mediated signaling contributes to developmental processes and has emerging relevance in cancer biology, where Eph/ephrin interactions influence tumor growth, migration, and microenvironment remodeling. Fc-fusion formats enhance stability and receptor engagement for in-vitro studies.



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