

For Research Use Only

Recombinant Human EPHA3 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2951

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human EPHA3 protein Glu21-Gln541 (Accession# P29320-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
2042

Accession:
P29320-1

Predicted Molecular Mass:
84.9 kDa

SDS-PAGE:
85-110 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Ephrin type-A receptor 3 (EPHA3) is a member of the EPH receptor family of tyrosine kinases. These receptors play a crucial role in developmental processes, particularly in the nervous system, and are involved in cell adhesion, migration, and signaling. EPHA3 binds promiscuously membrane-bound ephrin family ligands on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. It has been correlated with various human malignancies, including hematologic disorders, gastric cancer, glioblastoma multiforme, colorectal cancer, etc.

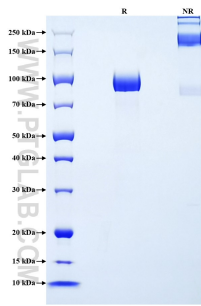
References

- 1.Lawrenson ID. et al. (2002). J Cell Sci. 115(Pt 5):1059-1072.
- 2.London M. et al. (2020). Mol Biol Rep. 47(7):5523-5533.

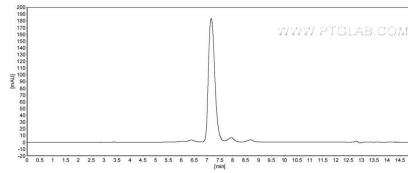
Synonyms

EC:2.7.10.1, EK4, EPH like kinase 4, EPH receptor A3, EPH-like kinase 4

Selected Validation Data



Purity of Recombinant Human EPHA3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human EPHA3 was greater than 90% as determined by SEC-HPLC.

For technical support and original validation data for this product please contact

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