

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/μg 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 μm 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

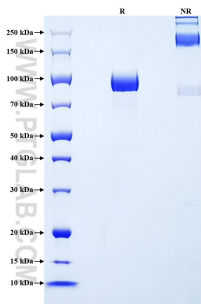
For technical support and original validation data for this product please contact

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

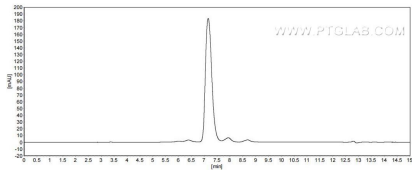
E: proteintech@ptglab.com
W: ptglab.com

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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.