

For Research Use Only

Recombinant Human EPHB4 protein (rFc Tag)



Catalog Number: Eg6504

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human EPHB4 protein Leu16-Ala539 (Accession# P54760) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

2050

Accession:

P54760

Predicted Molecular Mass:

83.1 kDa

SDS-PAGE:

83-100 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

EPHB4 (Ephrin type-B receptor 4), a member of the largest family of receptor tyrosine kinases (RTK), is overexpressed in several tumor types, including prostate, breast, and bladder tumors and down-regulation of EPHB4 in tumor cell lines of these origins results in reduced cell viability, migration, and invasion. In endothelial cells, where EphB4 is normally expressed, it regulates cell migration, proliferation, and invasion. The discovery of EphB4 as an alternative Epo receptor has multiple clinical implications including opportunities for patient stratification and anti-EphB4 approaches to abrogate the stimulatory effects of Epo on tumor growth.

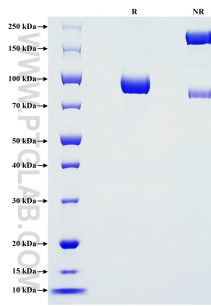
References

1. Xia, Guangbin et al. Cancer research vol. 65,11 (2005): 4623-32.
2. Davalos, Veronica et al. Cancer research vol. 66,18 (2006): 8943-8.
3. Erber, Ralf et al. The EMBO journal vol. 25,3 (2006): 628-41.

Synonyms

EC:2.7.10.1, EPH receptor B4, Ephrin type B receptor 4, Ephrin type-B receptor 4, HTK

Selected Validation Data



Purity of Recombinant Human EPHB4 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.

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

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