

For Research Use Only

Recombinant Human Ephrin B1 protein (mFc Tag) (HPLC verified)



Catalog Number: Eg4188

Basic Information

Species:
Human

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

Tag:
mFc Tag

Technical Specifications

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

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human Ephrin B1 protein Leu28-Lys237 (Accession# P98172) with a mouse IgG Fc tag at the C-terminus.

GeneID:
1947

Accession:
P98172

Predicted Molecular Mass:
49.6 kDa

SDS-PAGE:
52-65 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

EFNB1 (Ephrin B1) is a member of the ephrin family, which are membrane-bound guidance cues that interact with Eph receptors, a family of receptor tyrosine kinases. EFNB1 is X-inactivated, and it has been proposed that in heterozygous females, patchy loss of ephrin B1 disturbs tissue boundary formation at the developing coronal suture. EFNB1 mainly plays a central part in cell adhesion, angiogenesis, and development of the nervous system.

References

1. Shi Y, et al. (2021). J Oncol. vol. 4701680. Nov.16.
2. Wallis D, et al. (2008). Am J Med Genet A.146A(15):2008-2012.
3. Arthur A, et al. (2019). Exp Hematol. 69:43-53.

Synonyms

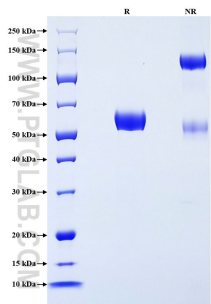
EFL3, EFNB1, EPLG2, LERK2, CFND

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

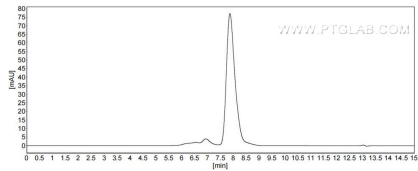
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Selected Validation Data



Purity of Recombinant Human Ephrin B1 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 Ephrin B1 was greater than 90% as determined by SEC-HPLC.