

For Research Use Only

Recombinant Human BMPR1A protein (rFc Tag)



Catalog Number: Eg2704

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human BMPR1A protein Gln24-Arg152 (Accession# P36894) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

657

Accession:

P36894

Predicted Molecular Mass:

40.2 kDa

SDS-PAGE:

40-50 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

BMPR1A (Bone morphogenetic protein receptor type-1A) is called ACVRLK3, ALK3, and SKR5. BMPR1A is an essential receptor for BMP signaling. BMPR1A is necessary for chondrogenesis and osteogenesis. BMPR1A is a cell surface marker of human SuSCs.

References

1. Junjun Jing. et al. (2015). Vitam Horm. 99:273-291.
2. Tanja Mang. et al. (2020). J Cell Sci. 133(16):jcs246934.
3. Takamitsu Maruyama. et al. (2021). Sci Transl Med. 13(583):eabb4416.

Synonyms

BMPR1A, Activin receptor like kinase 3, Activin receptor-like kinase 3, ACVRLK3, ALK 3

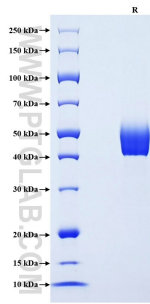
For technical support and original validation data for this product please contact

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 BMPR1A was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.