

Synonym

BMPR-1A, ALK-3, ACVRLK3, CD292, SKR5

Source

Human BMPR-1A, His Tag (AL3-H52H9) is expressed from human 293 cells (HEK293). It contains AA Gln 24 - Arg 152 (Accession # [P36894-1](#)).

Predicted N-terminus: Gln 24

Molecular Characterization

BMPR-1A(Gln 24 - Arg 152) P36894-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 16.1 kDa. The protein migrates as 25-29 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

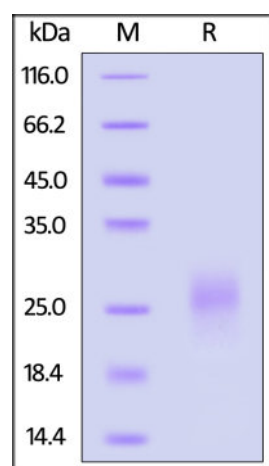
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

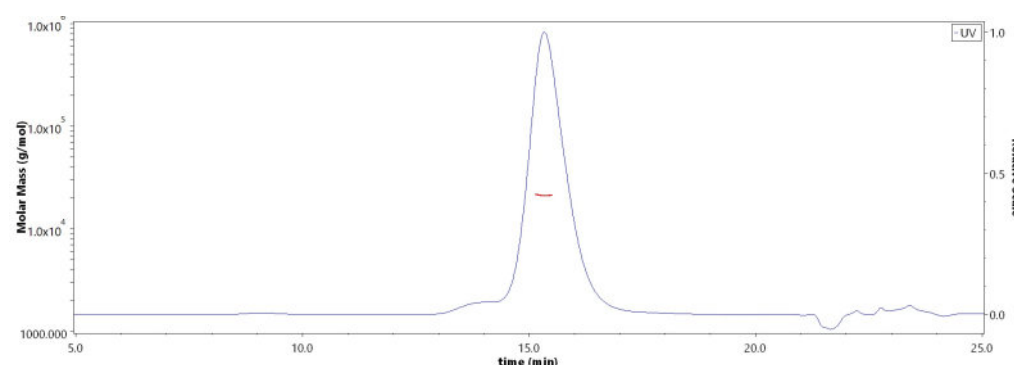
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human BMPR-1A, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-MALS

The purity of Human BMPR-1A, His Tag (Cat. No. AL3-H52H9) is more than 90% and the molecular weight of this protein is around 15-25 kDa verified by SEC-MALS.

[Report](#)

Background

The bone morphogenetic protein receptor, type IA is also known as BMPR1A or ALK3 is a protein which in humans is encoded by the BMPR1A gene. BMPR1A has also been designated as CD292 (cluster of differentiation 290). The bone morphogenetic protein (BMP) re

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.