

Human BMPR1A Recombinant Protein



RPPB0088

Product Information Protein Information

Product SKU:

RPPB0088

Accession:

P36894

Host:

Insect Cells.

Protein description:

BMPR1A Human Recombinant extracellular domain produced in baculovirus is a monomeric, glycosylated, Polypeptide chain fused with 6xHis tag at C-terminus and having a molecular mass of 23 kDa. The BMR1A is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

BMPR-1A, BMP-R1A, BMPR1A, BMR1A, CD292, CD-292, Serine/threonine-protein kinase receptor R5, SKR5, ALK-3, ACVRLK3, EC 2.7.11.30, CD292 antigen.

Formulation:

CD292 was lyophilized from a concentrated (1mg/ml) sterile solution containing 1X PBS.

Purity:

Greater than 90.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized ALK-3 in sterile PBS not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Bone Morphogenetic Protein Receptor 1A although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BMPR1A should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Biological Activity:

Measured by its ability to inhibit recombinant human BMP-2 induced alkaline phosphatase production by C2C12 myogenic cells. The ED50 for this effect is typically 1-3 µg/ml in the presence of 500 ng/ml of recombinant human BMP-2 corresponding to a Specific Activity of 2,000 units/mg.