

Human BMPR 1A

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.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	4105.952.002		
10 µg	4105.952.010		
1 mg	4105.952.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** Insect cells
- **Purity** ≥ 90 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** CD292 was lyophilized from a concentrated (1mg/ml) sterile solution containing 1X PBS*
- **Physical state** Sterile filtered, lyophilized

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.

Reconstitution

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 avoid repeated freeze-thaw cycles.**

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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