9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

# 32-6309: BMPR1A Human, IgG-His

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| **Alternative Name :** | BMPR1A, 10q23del, ACVRLK3, ALK3, CD292, SKR5, Bone Morphogenetic Protein Receptor Type 1A, Bone Morphogenetic Protein Receptor, Type IA, Serine/Threonine-Protein Kinase Receptor R5, Activin Receptor-Like Kinase 3, BMP Type-1A Receptor, EC 2.7.11.30, ALK-3, Bone Morphogenetic Protein Receptor Type-1A, Activin A Receptor, Type II-Like Kinase 3, CD292 Antigen, EC 2.7.1. |

## Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 2 different types of serine (threonine) kinase receptors: type I receptors of about 50-55 kD and type II receptors of about 70-80 kD. Type II receptors bind ligands in the absence of type I receptors, but they require their respective type I receptors for signaling, whereas type I receptors require their respective type II receptors for ligand binding.
BMPR1A Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 371 amino acids (24-152a.a.) and having a molecular mass of 41.4kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).BMPR1A is fused with a 242 amino acids hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 95.0% as determined by SDS-PAGE. |
| **Content :** | BMPR1A protein solution (1mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol. |
| **Storage condition :** | Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles. |
| **Amino Acid :** | ADPQNLDSML HGTGMKSDSD QKKSENGVTL APEDTLPFLK CYCSGHCPDD AINNTCITNG HCFAIIEEDD QGETTLASGC MKYEGSDFQC KDSPKAQLRR TIECCRTNLC NQYLQPTLPP VVIGPFFDGS IRLEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H. |