

## 32-7989: Recombinant Human BMP Receptor IA/ALK-3/CD292 (C-Fc-6His)(Discontinued)

**Gene :** BMPR1A

**Gene ID :** 657

**Uniprot ID :** P36894

### Description

Source: Human Cells.

MW :42.1kD.

Recombinant Human BMP receptor IA is produced by our Mammalian expression system and the target gene encoding Gln24-Arg152 is expressed with a Fc, 6His tag at the C-terminus. Bone Morphogenetic Protein Receptor Type-1A (BMPR1A) belongs to the TKL Ser/Thr protein kinase family and TGFB receptor subfamily, including the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. BMPR1A is a single-pass type I membrane protein and highly expressed in skeletal muscle. BMPR1A contains one GS domain and one protein protein kinase domain. BMPR1A is necessary for the extracellular matrix deposition by osteoblasts. BMPR1A can activate SMAD transcriptional regulators, binding with ligands. Defects in BMPR1A are a cause of juvenile polyposis syndrome, Cowden disease and hereditary mixed polyposis syndrome 2 (HMPS2).

### Product Info

**Amount :** 6His) / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** QNLD SMLHGTGMKSDSDQKKSENGVTLAPEDTL PFLKCYCSGHCPDDAINNTCITNGHCFAIIEEDDQGETTLA  
SGCMKYEGSDFQCKDSPKAQLRRTIECCRTNLCNQYLQPTLPPVVGPFDFGSIRVDDIEGRMDEPKSCDKTHT  
CPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNST  
YRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYP  
SDIAVEWESNGQPENNYKTTTPVLDSGSEFLYSLKLTVDKSRWQQGNVFSVSMHEALHNHYTQKSLSLSPG  
KHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.