

**BMPR1A, 24-152aa, Human, hlgG-His-tag, Baculovirus**

**Cat.NO.: TP01354**

3th Edition

**Synonyms:**Bone morphogenetic protein receptor type-1A, BMPR1A, 10q23del, ACVRLK3, ALK3, CD292, SKR5

**Description:**BMPR1A, also known as bone morphogenetic protein receptor type-1A, is secreted cytokines/growth factors belonging to the Transforming Growth Factor beta (TGFbeta) family. It has been shown to be overexpressed in human breast cancers. Its deletion impairs mammary tumor formation and metastasis. It plays important roles in the differentiation and development of neurons. Its expression is up-regulated during bone formation, and that they may play important roles in bone morphogenesis. Recombinant human BMPR1A, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

**Form:**Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

**Molecular Weight:**41.4kDa (371aa)40-57kDa (SDS-PAGE under reducing conditions)

**Sequences:**

ADPQNLD SMLHGTGMKSDSDQKKSENGVTLAPEDTLPFLKCYCSGHCPDDAINNTCITNGHCF AII EEDDQGETTL  
ASGCMKYEGSDFQCKDSPKAQLRRTIECCRTNLCNQYLQPTLPPVVIGPFFDGSIRLEPKSCDKTHTCPPCPAPEL  
LGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH  
QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQ  
PENNYKTTTPVLDS DGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALHNHYTQKSLSLSPGKHHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Absorbance at 280nm)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.