

**BMPR1B, 14-126aa, Human, His tag, E.coli**

**Cat.NO.: TP01355**

3th Edition

**Synonyms:**Bone morphogenetic protein receptor type-1B isoform b, ALK-6, ALK6, CDw293

**Description:**BMPR1B also known as bone morphogenetic protein receptor type-1B isoform b. BMPR1B is on ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. It's receptor for BMP7/OP-1 and GDF5. Recombinant human BMPR1B was expressed in E.coli and purified by using conventional chromatography techniques

**Form:**Liquid. In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT, 0.1mM PMSF

**Molecular Weight:**15.1kDa (136aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSKKEDGESTAPTPRPKVLRCCKCHHHCPEDSVNNICSTDGYCFTMIEEDDSGL  
PVVTSGCLGLEGSDFQCRDTPIPHQRRSIECCTERNECNKDLHPTLPPLKNRDFVDGPIHHR

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**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.