

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:

MGSSHHHHHSSGLVPRGSHMGSKKEDGESTAPTPRPKVLRCCKCHHHCPEDSVNNICSTDGYCFTMIEEDDSGL
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.