

Proteoliposomes

Full-Length

BMPR1B (Human) Recombinant Protein

Catalog # H00000658-G01

Size 10 ug

Specification

Product Description

Human BMPR1B full-length ORF (NP_001194.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MLLSAGKLNVGTKKEDGESTAPTPRPKVLRCCKHHHCPEDSVNNICSTDGYCFTMIEEDDSGL
PVVTSGCLGLEGSDFQCRDTPIPHQRRSIECCTERNECNKDLHPTLPPLKNRDFVDGPIHHRALLI
SVTVCSLLLVLILFCYFRYKRQETRPYSIGLEQDETYPPGESLRDLIEQSQSSGSGSGLPLLVR
TIAKQIQMVKQIGKGRYGEVWMGKWRGEKVAVKVFFTTEEASWFRETEIYQTVLMRHENILGFIAA
DIKGTGSWTQLYLITDYHENGSLYDYLKSTTLDAKSMLKLAYSSVSGLCHLHTEIFSTQGKPAIAHRD
LKSKNILVKNGTCCADLGLAVKFISDTNEVDIPPNTRVGKRYMPPEVLDESINRNHFQSYIMAD
MYSFGLILWEVARRCVSGGVEEYQLPYHDLVPSDPSYEDMREVCIKLRPSFPNRWSSDECLR
QMGLMTECWAHNPASRLTALRVKKTAKMSESQDIKL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.9

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — BMPR1B

Entrez GeneID [658](#)

GeneBank Accession# [NM_001203.1](#)

Protein Accession# [NP_001194.1](#)

Gene Name BMPR1B

Gene Alias ALK-6, ALK6, CDw293

Gene Description bone morphogenetic protein receptor, type IB

Omim ID [112600 603248](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of trans membrane serine/threonine kinases. The ligands of this receptor are BMPs, which are members of the TGF-beta superfamily. BMPs are involved in endochondral bone formation and embryogenesis. These proteins transduce their signals through the formation of heteromeric complexes of 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. Mutations in this gene have been associated with primary pulmonary hypertension. [provided by RefSeq]

Other Designations OTTHUMP00000161622|activin receptor-like kinase 6|serine/threonine receptor kinase

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Adenomatous Polyposis Coli](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)