BMPR1B (Human) Recombinant Protein

Catalog # P8468 Size 2 x 10 ug

Specification

Product Description	Human BMPR1B (O00238, 14 a.a. - 126 a.a.) partial-length recombinant protein with His-tag at N-terminal expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSKKEDGESTAPTPRPKVLRCKCHHHCPEDSVNNICSTDGYCFTMIEEDDSGLPVVTSGCLGLEGSDFQCRDTPIPHQRRSIECCTERNECNKDLHPTLPPLKNRDFVDGPIHHR.
Host	Escherichia coli
Theoretical MW (kDa)	15.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 80% by SDS-PAGE
Storage Buffer	Phosphate buffered saline (pH7.4), 20% glycerol, 1mM DTT and 0.1mM PMSF.
Storage Instruction	Store, frozen at -20°C for longer periods of time.

Applications

- SDS-PAGE

Gene Info — BMPR1B

Entrez GeneID	658
Protein Accession#	O00238
Gene Name	BMPR1B

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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 embryogen esis. 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, b ut 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 p rimary 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

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- Thrombophilia
- Tobacco Use Disorder

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