

Recombinant Human BMPR1B Protein, GST-tagged

Cat. No. BMPR1B-283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BMPR1B (NP_001194.1, 149 a.a. - 502 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Sf21 Cells
ProteinLength	149-502 a.a.
Description	This gene encodes a member of the bone morphogenetic protein (BMP) receptor family of transmembrane 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.
Form	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
Molecular Mass	67 kDa
Purity	76 % by SDS-PAGE/CBB staining

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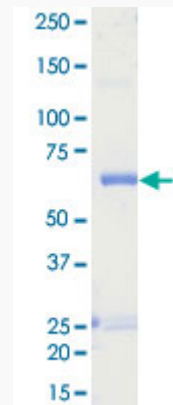
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Quality Control Test	Loading 1 ug protein in SDS-PAGE
Notes	Result of activity analysis
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)
GENE INFORMATION	
Gene Name	BMPR1B bone morphogenetic protein receptor, type IB [Homo sapiens]
Official Symbol	BMPR1B
Synonyms	BMPR1B; bone morphogenetic protein receptor, type IB; bone morphogenetic protein receptor type-1B; ALK6; CDw293; BMPR-1B; BMP type-1B receptor; activin receptor-like kinase 6; serine/threonine receptor kinase; ALK-6;
Gene ID	658
mRNA Refseq	NM_001203
Protein Refseq	NP_001194
MIM	603248
UniProt ID	O00238

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