

Recombinant Human BMPR1A Protein, MYC/DDK-tagged

Cat. No. BMPR1A-2706H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMPR1A protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The bone morphogenetic protein (BMP) receptors are a family of transmembrane serine/threonine kinases that include the type I receptors BMPR1A and BMPR1B and the type II receptor BMPR2. These receptors are also closely related to the activin receptors, ACVR1 and ACVR2. The ligands of these receptors are members of the TGF-beta superfamily. TGF-betas and activins transduce their signals through the formation of heteromeric complexes with 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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	BMPR1A bone morphogenetic protein receptor, type IA [Homo sapiens]
Official Symbol	BMPR1A
Synonyms	10q23del; ACVRLK3; ALK3; CD292; SKR5
Gene ID	657
mRNA Refseq	NM_004329
Protein Refseq	NP_004320
MIM	601299
UniProt ID	P36894

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