

## ActiveRecombinant Human BMPR1B protein, Fc-tagged

Cat. No. BMPR1B-8534H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	ActiveRecombinant Human BMPR1B protein(Lys14-Arg126) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	14-126 aa
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4.
<b>Bio-activity</b>	Measured by its ability to inhibit rhBMP4 induced alkaline phosphatase production by MC3T3-E1 mouse osteoblastic cells. The ED50 for this effect is typically 2-8 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.
<b>Molecular Mass</b>	The recombinant human ALK6/Fc is a disulfide-linked homodimer. The reduced monomer comprises 354 amino acids and has a predicted molecular mass of 39.7 kDa. The apparent molecular mass of the protein is approximately 110 kDa in SDS-PAGE under reducing conditions.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	(54.4+36.1) % as determined by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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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