

Recombinant Mouse Bmpr1b protein(Lys14-Lys126), hFc-tagged

Cat. No. Bmpr1b-820M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bmpr1b (NP_031586.1) (Lys14-Lys126) was expressed in HEK293 with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	14-126 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit BMP4-induced alkaline phosphatase production by MC3T3E1 mouse preosteoblast cells. The ED50 for this effect is 1.5-7.5 µg/mL.
Molecular Mass	The recombinant mouse Bmpr1b consists 351 amino acids and predicts a molecular mass of 39.4 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted 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 1B [Mus musculus]

Official Symbol Bmpr1b

Synonyms BMPR1B; bone morphogenetic protein receptor, type 1B; bone morphogenetic protein receptor type-1B; BMP type-1B receptor; activin receptor-like kinase 6; serine/threonine-protein kinase receptor R6; Alk6; SKR6; ALK-6; Acvrlk6; BMPR-1B; BMPR-IB; CFK-43a; AI385617; AV355320;

Gene ID 12167

mRNA Refseq NM_007560

Protein Refseq NP_031586

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