

Recombinant Human BMPR1A Protein (M1-I532), Tag Free

Cat. No. BMPR1A-0787H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMPR1A(M1-I532 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M1-I532
Description	On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for BMP2, BMP4, GDF5 and GDF6. Positively regulates chondrocyte differentiation through GDF5 interaction. Mediates induction of adipogenesis by GDF6.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

Shipping It is shipped out with blue ice.

GENE INFORMATION

Gene Name [BMPR1A bone morphogenetic protein receptor, type IA \[Homo sapiens \(human\) \]](#)

Official Symbol [BMPR1A](#)

Synonyms BMPR1A; bone morphogenetic protein receptor, type IA; ACVRLK3; bone morphogenetic protein receptor type-1A; ALK3; CD292; ALK-3; BMPR-1A; BMP type-1A receptor; activin receptor-like kinase 3; activin A receptor, type II-like kinase 3; serine/threonine-protein kinase receptor R5; SKR5; 10q23del;

Gene ID [657](#)

mRNA Refseq [NM_004329](#)

Protein Refseq [NP_004320](#)

MIM [601299](#)

UniProt ID [P36894](#)

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