

# Active Recombinant Human BMPR1A Protein, Fc Chimera

**Cat. No.** BMPR1A-545H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human BMPR1A (Accession # NP_004320), fused with , was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Predicted N Terminal</b>	Gln24 predicted: No results obtained, sequencing might be blocked
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to inhibit rhBMP-4-induced alkaline phosphatase production by ATDC5 mouse chondrogenic cells. Nakamura, K. et al. (1999) Exp. Cell Res. 250:351. The ED50 for this effect is typically 0.03-0.12 µg/mL in the presence of 30 ng/mL of Recombinant Human BMP-4.
<b>Molecular Mass</b>	Recombinant Human BMPR1A, Fc Chimera has a calculated MW of 40.8 kDa (monomer). In SDS-PAGE migrates as 59 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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## GENE INFORMATION

<b>Gene Name</b>	BMPR1A bone morphogenetic protein receptor, type IA [ Homo sapiens ]
<b>Official Symbol</b>	BMPR1A
<b>Synonyms</b>	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;
<b>Gene ID</b>	657
<b>mRNA Refseq</b>	NM_004329
<b>Protein Refseq</b>	NP_004320
<b>MIM</b>	601299
<b>UniProt ID</b>	P36894
<b>Chromosome Location</b>	10q22.3

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