

Active Recombinant Human BMPR1A, Fc Chimera

Cat. No. BMPR1A-508H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMPR1A (Accession # CAA80257) was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
Predicted N Terminal	No results obtained: Gln24 predicted
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	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 0.1 - 0.3 µg/mL in the presence of 30 ng/mL of recombinant human BMP-4.
Molecular Mass	Recombinant Human BMPR1A, Fc Chimera has a calculated MW of 41.5 kDa (monomer). In SDS-PAGE migrates as 55 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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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Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

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

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

Chromosome Location 10q22.3

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