

# Active Recombinant Mouse Bmpr1a Protein, Fc Chimera

**Cat. No.** Bmpr1a-623M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Bmpr1a (Accession # NP_033888), fused with , was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Mouse
<b>Source</b>	Mammalian Cells
<b>Predicted N Terminal</b>	No results obtained: Gln24 predicted, N-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 Mouse Bmpr1a, Fc Chimera has a calculated MW of 41.3 kDa (monomer). In SDS-PAGE migrates as 57-60 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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**Reconstitution** Reconstitute at 10 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** [Bmpr1a bone morphogenetic protein receptor, type 1A \[ Mus musculus \]](#)

**Official Symbol** Bmpr1a

**Synonyms** BMPR1A; bone morphogenetic protein receptor, type 1A; bone morphogenetic protein receptor type-1A; SKR5; ALK-3; BMPR-1A; BMP type-1A receptor; BMP-2/BMP-4 receptor; activin receptor-like kinase 3; serine/threonine-protein kinase receptor R5; ALK3; Bmpr; BMPR-IA; AU045487; 1110037122Rik;

**Gene ID** [12166](#)

**mRNA Refseq** [NM\\_009758](#)

**Protein Refseq** [NP\\_033888](#)

**MIM**

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