Active Recombinant Mouse Bmpr1a Protein, Fc Chimera

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

SPECIFICATION

Product Overview	Recombinant Mouse Bmpr1a (Accession # NP_033888), fused with , was produced in Mouse myeloma cell line, NS0-derived.
Species	Mouse
Source	Mammalian Cells
Predicted N Terminal	No results obtained: Gln24 predicted, N-sequencing might be blocked
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
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 0.03 - 0.12 μg/mL in the presence of 30 ng/mL of recombinant human BMP-4.
Molecular Mass	Recombinant Mouse Bmpr1a, Fc Chimera has a calculated MW of 41.3 kDa (monomer). In SDS-PAGE migrates as 57-60 kDa, reducing conditions.
Purity	>95%, 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 (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

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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; 1110037I22Rik;
Gene ID	12166
mRNA Refseq	NM_009758
Protein Refseq	NP_033888
MIM	

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