

Active Recombinant Mouse Acvr1 protein(Met1-Glu123), His&hFc-tagged

Cat. No. Acvr1-775M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ACVR1 (NP_031420.2)(Met 1-Glu 123) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu123
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measure by its ability to bind with human BMP2 in a functional ELISA.
Molecular Mass	The secreted recombinant mouse ACVR1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer comprises 351 amino acids with a predicted molecular mass of 40 kDa. As a result of glycosylation, it migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name *Acvr1* activin A receptor, type 1 [*Mus musculus*]

Official Symbol *Acvr1*

Synonyms ACVR1; activin A receptor, type 1;

Gene ID 11478

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