

# Active Recombinant Mouse Acvr1b Protein, Fc Chimera

**Cat. No.** Acvr1b-586M    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Acvr1b (Accession # NP_031421), 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> | Leu32                                                                                                                                                                                         |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                            |
| <b>Bio-activity</b>         | Measured by its binding ability in a functional ELISA. Immobilized rmActivin RIB/Fc Chimera at 1 µg/mL (100 µL/well) can bind rmCripto with a linear range of 0.8 - 100 ng/mL.                |
| <b>Molecular Mass</b>       | Recombinant Mouse Acvr1b, Fc Chimera has a calculated MW of 37.2 kDa (monomer). In SDS-PAGE migrates as 44 kDa, reducing conditions.                                                          |
| <b>Purity</b>               | >90%, 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). |
| <b>Reconstitution</b>       | Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine                                                                                                             |

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serum albumin.

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Acvr1b</a> activin A receptor, type 1B [ <i>Mus musculus</i> ]                                                                                                                                                     |
| <b>Official Symbol</b> | <a href="#">Acvr1b</a>                                                                                                                                                                                                         |
| <b>Synonyms</b>        | ACVR1B; activin A receptor, type 1B; activin receptor type-1B; ALK-4; activin receptor type 1B; activin receptor-like kinase 4; serine/threonine-protein kinase receptor R2; Alk4; SKR2; ActR1B; ActR-1B; Acvrlk4; 6820432J04; |
| <b>Gene ID</b>         | <a href="#">11479</a>                                                                                                                                                                                                          |
| <b>mRNA Refseq</b>     | <a href="#">NM_007395</a>                                                                                                                                                                                                      |
| <b>Protein Refseq</b>  | <a href="#">NP_031421</a>                                                                                                                                                                                                      |
| <b>MIM</b>             |                                                                                                                                                                                                                                |

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