

Active Recombinant Rat ACVRL1 protein, hFc-tagged

Cat. No. ACVRL1-152R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat ACVRL1 protein(NP_071886.1)(Lys21-Ala118) is expressed in HEK293, fused with a hFc tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	21-118 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Rat ALK-1 at 4 µg/mL (100 µL/well) can bind Human ACVR2B with a linear range of 20-989.42 ng/mL.
Molecular Mass	36.97 kDa
Endotoxin	< 0.01 EU/µg of the protein by LAL method
Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name [Acvrl1 activin A receptor type II-like 1 \[Rattus norvegicus \]](#)

Official Symbol [ACVRL1](#)

Synonyms ACVRL1; activin A receptor type II-like 1; serine/threonine-protein kinase receptor R3; SKR3; TSR-I; Activin receptor likekinase 1; TGF-B superfamily receptor type I; R3; R-3; SETHKIR;

Gene ID [25237](#)

mRNA Refseq [NM_022441](#)

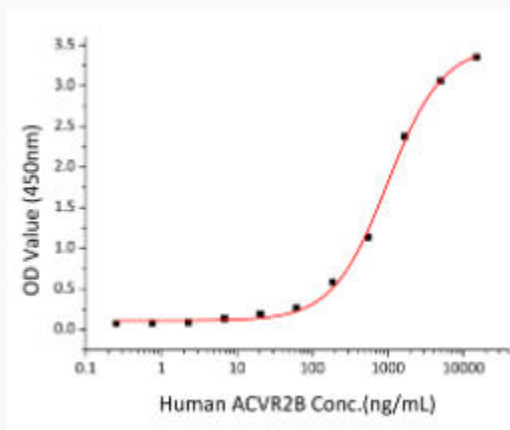
Protein Refseq [NP_071886](#)

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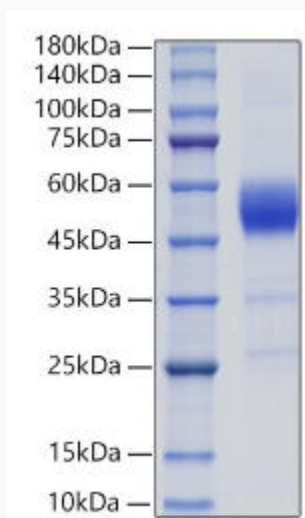
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Activity



SDS-PAGE



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