

Active Recombinant Mouse ACVR2B Protein, Fc-tagged

Cat. No. ACVR2B-011M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ACVR2B Protein is produced by HEK293 Cells expression system. This protein is fused with a Fc tag at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met 1-Thr 134
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	1. Measured by its ability to bind biotinylated Human INHBA-his in functional ELISA. 2. Measured by its ability to bind biotinylated mouse INHBA-his in functional ELISA. 3. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 10-50 ng/mL in the presence of 10 ng/mL recombinant Activin A.
Molecular Mass	~ 41 kDa
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. 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 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	Acvr2b activin receptor IIB [Mus musculus]
Official Symbol	ACVR2B
Synonyms	ACVR2B; activin receptor IIB; activin receptor type-2B; ACTR-IIB; activin receptor type IIB; ActRIIB;
Gene ID	11481
mRNA Refseq	NM_007397
Protein Refseq	NP_031423

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