

Active Recombinant Human ACVR2A, His-tagged

Cat. No. ACVR2A-3819H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ACVR2A(NP_001607.1) (Met 1-Pro 134) was expressed in HEK293, with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-134 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED50 for this effect is typically 0.4-3 µg/mL in the presence of 10 ng/mL recombinant Activin A.
Molecular Mass	The recombinant human ACVR2A comprises 126 amino acids and predicts a molecular mass of 14.9 kDa. As a result of glycosylation, the apparent molecular mass of the protein is approximately 35-40 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities 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 [ACVR2A activin A receptor, type IIA \[Homo sapiens \]](#)

Official Symbol [ACVR2A](#)

Synonyms ACVR2A; activin A receptor, type IIA; activin A receptor, type II , ACVR2; activin receptor type-2A; ACTRII; ACVR2;

Gene ID [92](#)

mRNA Refseq [NM_001616](#)

Protein Refseq [NP_001607](#)

MIM [102581](#)

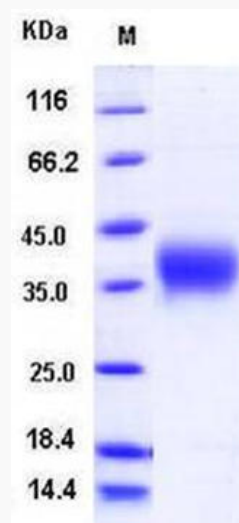
UniProt ID [P27037](#)

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SDS-PAGE



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