

# Product information

## ACVR2A, 20-135aa

Human, His-tagged, Recombinant, Insect cell

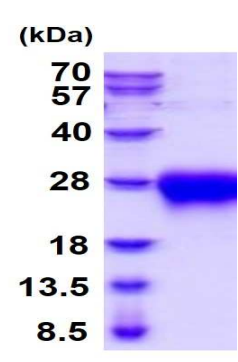
Cat. No. IBATGP3366

**Full name:** Activin receptor type-2A

**NCBI Accession No.:** NP\_001607

**Synonyms:** ACVR2A, ACTRII, ACVR2

**Description:** ACVR2A, also known as activin receptor type-2A, is involved in a wide range of biological processes including mesoderm induction, neural cell differentiation, bone remodeling, hematopoiesis, the regulation of reproductive physiology, inflammation, and carcinogenesis. They function through heteromeric complexes of type I and type II serine/threonine kinase receptors. Recombinant human ACVR2A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

<p><b>Form:</b> Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.</p> <p><b>Molecular Weight:</b> 14.4kDa (124aa) 18-28KDa (SDS-PAGE under reducing conditions.)</p> <p><b>Predicted N terminal:</b> Ala20</p> <p><b>Purity:</b> &gt; 95% by SDS – PAGE.</p> <p><b>Concentration:</b> 0.5mg/ml (determined by Absorbance at 280nm)</p> <p><b>Endotoxin Level:</b> &lt; 1.0 EU per 1µg of protein (determined by LAL method)</p>	 <p>(kDa)</p> <p>70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3µg)</p>
<p><b>Sequences of amino acids:</b></p> <p>A I L G R S E T Q E C L F F N A N W E K D R T N Q T G V E P C Y G D K D K R R H C F A T W K N I S G S I E I V K Q G C W L D D I N C Y D R T D C V E K K D S P E V Y F C C C E G N M C N E K F S Y F P E M E V T Q P T S N P V T P K P P L E H H H H H H</p>	

### General references:

Welt C., *et al.* (2002) *Exp Biol Med.* 227:724-752.

Chen YG., *et al.* (2006) *Exp Biol Med.* 231:534-544.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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