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## Product Data Sheet

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Product Name: ACVR2A Human  
 Cat. No.: GP20011  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ACVR2A; ACTRIIA; ACTR-IIA;		
Amino Acid Sequence	AILGRSETQE CLFFNANWEK DRTNQTGVPE CYGDKDKRRH CFATWKNISG SIEIVKQGCW LDDINCYDRT DCVEKKDSPE VYFCCCEGNM CNEKFSYFPE MEVTQPTSNP VTPKPPLEHH HHHH.		
Formulation	ACVR2A protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

ACVR2A takes part in various biological processes including mesoderm induction, neural cell differentiation, bone remodeling, hematopoiesis, carcinogenesis, and inflammation. ACVR2A which is a receptor for ActvA, Actv B and inhibin A mediates induction of adipogenesis by GDF6.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

ACVR2A Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 124 amino acids (20-135a.a.) and having a molecular mass of 14.4kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). ACVR2A is fused to 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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