

Recombinant human Activin RIIA protein

Catalog Number: ATGP3366

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

20-135aa

UniProt No.

P27037

NCBI Accession No.

NP_001607

Alternative Names

Activin receptor type-2A, ACVR2A, ACTRII, ACVR2

PRODUCT SPECIFICATION

Molecular Weight

14.4 kDa (124aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

AILGRSETQE CLFFNANWEK DRTNQTGVPEP CYGDKDKRRH CFATWKNISG SIEIVKQGCW LDDINCYDRT DCVEKKDSPE
VYFCCCEGNM CNEKFSYFPE MEVTQPTSNP VTPKPPLEHH HHHH

General References

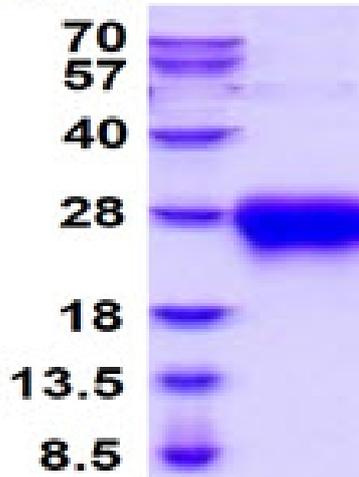
Welt C., et al. (2002) Exp Biol Med. 227:724-752.

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

DATA

SDS-PAGE

(kDa)



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 μ g)