

## ACVR2A (C-6His), Human, Recombinant

货号 : PCK106

### 产品信息

|      |                                                                                       |
|------|---------------------------------------------------------------------------------------|
| 别名   | Activin Receptor Type-2A; Activin Receptor Type IIA; ACTR-IIA; ACTRIIA; ACVR2A; ACVR2 |
| 物种   | Human                                                                                 |
| 表达宿主 | Human Cells                                                                           |
| 序列信息 | Ala20-Pro134                                                                          |
| 检索号  | P27037                                                                                |
| 分子量  | 14.35 kDa                                                                             |

### 产品特性

|     |                                                                                                                                                                      |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 纯度  | >95% as determined by reducing SDS-PAGE.                                                                                                                             |
| 内毒素 | <1.0 EU per µg as determined by LAL test.                                                                                                                            |
| 保存  | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| 运输  | Ambient temperature or ice pack.                                                                                                                                     |
| 制剂  | Supplied as a 0.2 µm filtered solution of 20mM PB, 300mM NaCl, 10% Glycerol, 5% Trealose, pH7.4.                                                                     |



## 背景介绍

Activin Receptor Type-2A is a Protein that in humans is encoded by the ACVR2A gene. ACVR2A is an activintype 2 Receptor. This gene encodes activin A type II Receptor. Activins are dimeric growth and differentiation factors which belong to the transforming Growth Factor-beta (TGF-beta) superfamily of structurally related signaling Proteins. Activins signal through a heteromeric complex of Receptor serinekinases which include at least two type I (I and IB) and two type II (II and IIB) Receptors. These Receptors are all transmembrane Proteins, composed of a Ligand-binding extracellular domain with cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/ threonine specificity. Type I Receptors are essential for signaling; and type II Receptors are required for binding Ligands and for expression of type I Receptors. Type I and II Receptors form a stable complex after Ligand binding, resulting in phosphorylation of type I Receptors by type II Receptors. Type II Receptors are considered to be constitutively active kinases.

## SDS-PAGE

