

## ACVR1 抗原（重组蛋白）

中文名称：ACVR1 抗原（重组蛋白）

英文名称：ACVR1 Antigen (Recombinant Protein)

别名：FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 260-509 amino acids of human ACVR1

技术规格：

<b>Full name:</b>	activin A receptor type I
<b>Synonyms:</b>	FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2
<b>Swissprot:</b>	Q04771
<b>Gene Accession:</b>	BC033867
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	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 serine kinases 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 cyst

eine-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 I I receptors. This gene encodes activin A type I receptor which signals a particular transcriptional response in concert with activin type II receptors. Mutations in this gene are associated with fibrodysplasia ossificans progressive.