

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：

Full name:	activin A receptor type I
Synonyms:	FOP; ALK2; SKR1; TSRI; ACTRI; ACVR1A; ACVRLK2
Swissprot:	Q04771
Gene Accession:	BC033867
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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 cysteine-rich region, a transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I recep

tors 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.