

Recombinant Human ACVR1 Protein, MYC/DDK-tagged

Cat. No. ACVR1-1022H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ACVR1 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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 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. 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. [provided by RefSeq, Jul 2008]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	55 kDa

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Purity	>50 ug/mL as determined by microplate BCA method
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Concentration	>50 ug/mL as determined by microplate BCA method
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GENE INFORMATION

Gene Name	ACVR1 activin A receptor, type I [Homo sapiens]
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Official Symbol	ACVR1
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Synonyms	ACTRI; ACVR1A; ACVRLK2; ALK2; FOP; SKR1; TSRI
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Gene ID	90
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mRNA Refseq	NM_001105
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Protein Refseq	NP_001096
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MIM	102576
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UniProt ID	Q04771
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