

Product datasheet for **SC212415**

Activin Receptor Type IA (ACVR1) (NM_001105) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: Activin Receptor Type IA (ACVR1) (NM_001105) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ACVR1
Synonyms: ACTRI; ACVR1A; ACVRLK2; ALK2; FOP; SKR1; TSRI
ACCN: NM_001105
Insert Size: 1115 bp
Insert Sequence: >SC212415 3'UTR clone of NM_001105
The sequence shown below is from the reference sequence of NM_001105. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCCTCGACAAATTGAAAACGACTGTGACATTTTCATAGTGTCAAGAAGGAAGATTTGACGTTGTTG
TCATTGTCCAGCTGGACCTAATGCTGGCCTGACTGGTTGTGAGAATGGAATCCATCTGTCTCCCTCCC
CAAATGGCTGCTTTGACAAGGCAGACGTCGTACCCAGCCATGTGTTGGGAGACATCAAAACCACCCTA
ACCTCGCTCGATGACTGTGAACTGGGCATTTACGAACTGTTCACTGCAGAGACTAATGTTGGACAG
ACACTGTTGCAAAGGTAGGGACTGGAGGAACACAGAGAAATCCTAAAAGAGATCTGGGCATTAAGTCAG
TGGCTTTGCATAGCTTTACAAGTCTCCTAGACACTCCCCACGGGAAACTCAAGGAGGTGGTGAATTTT
TAATCAGCAATATTGCCTGTGCTTCTCTTTATTGCACTAGGAATCTTTGCATTCTTACTTGCAC
TGTTACTCTTAATTTAAAGACCCAACCTGCCAAAATGTTGGCTGCGTACTCCACTGGTCTGTCTTTGG
ATAATAGGAATTCATTTGGCAAACAAAATGTAATGTCAGACTTTGCTGCATTTTACACATGTGCTGA
TGTTTACAATGATGCCGAACATTAGGAATGTTTATACACAACCTTGCAAATTTTATTACTTGTGCA
CTTAGTAGTTTTTACAAAACGCTTTGTGCATATGTTAAAGCTTATTTTTATGTGGTCTTATGATTTTA
TTACAGAAATGTTTTAACACTATACTCTAAAATGGACATTTTCTTTTATTATCAGTTAAAATCACATT
TTAAGTGCTTACATTTGTATGTGTGTAGACTGTAACCTTTTTTTCAGTTCATATGCAGAACGATTTAG
CCATTACCCACGTGACACCACCGAATATATTACTGATTTAGAAGCAAAGATTTTCAGTAGAATTTTAGTC
CTGAACGCTACGGGAAATGCATTTTCTTCCAGAAATATCCATTACGTGCATTTAAACTCTGCCAGAAA
AAAATAACTATTTGTTTTAATCTACTTTTTGTATTTAGTAGTATTTGTATAAATTAATAAAGTGT
TTCAAGTCAAA
ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001105.5</u>
Summary:	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]
Locus ID:	90
MW:	42.8