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Product datasheet for MC203762

Acvrl1 (NM_009612) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Acvrl1 (NM_009612) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Acvrl1
Synonyms:	Acvrlk1; AI115505; AI427544; Alk1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC014291
CACGCGTCCGTGAGCACAGCCCCTTCCCAGTCCCCGGAGGCCGCCGCGCCAGCCGCGCAGATCGAGACCT
TTCCCGGACGCACAGGCCCGCTCTGGACGTGAGACCCCGGCCGCCTCCGGCAAGGAGAGGCGGGGGTCGA
GTCGCCCTGTCCAAAGATCTCACCACATCTCTTCTCCTATCTCCAAGGACCATGACCTTGGGGAGCTTCA
GAAGGGGCCTTTTGATGCTGTCGGTGGCCTTGGGCCTAACCAGGGGAGACTTGGCGAAGCCTTCCAAGCT
GGTGAACTGCACTTGTGAGAGCCCACACTGCAAGAGACCATTCTGCCAGGGGTCATGGTGCACAGTGGTG
CTGGTTCGAGAGCAGGGCAGGCACCCCCAGGTCTATCGGGGCTGCGGGAGCCTGAACCAGGAGCTCTGCT
TGGGACGTCCCACAGAGTTTCTGAACCATCACTGCTGCTATAGATCCTTCTGCAACCACAACGTGTCTCT
GATGCTGGAGGCCACCCAAACTCCTTCGGAGGAGCCAGAAGTTGATGCCTATCTGCCTCTGATCCTGGGT
CCTGTGCTGGCCTTGCCGGTCCTGGTGGCCCTGGGTGCTCTGGGCTTGTGGCGTGTCCGGCGGAGGCAGG
AGAAGCAGCGGGATTTGCACAGTGACCTGGGCGAGTCCAGTCTCATCCTGAAGGCATCTGAACAGGCAGA
CAGCATGTTGGGGGACTTCCTGGACAGCGACTGTACTACGGGCAGCGGCTCGGGGCTCCCCTTCTTGGTG
CAGAGGACGGTAGCTCGGCAGGTTGCGCTGGTAGAGTGTGTGGGAAAGGGCCGATATGGTGAGGTGTGGC
GCGGTTCGTGGCATGGCGAGAGTGTGGCGGTCAAGATTTTCTCCTCACGAGATGAGCAGTCCTGGTTCCG
GGAGACGGAGATCTACAACACAGTTCTGCTTAGACACGACAACATCCTAGGCTTCATCGCCTCCGACATG
ACTTCGCGGAACTCGAGCACGCAGCTGTGGCTCATCACCCACTACCATGAACACGGCTCCCTCTATGACT
TTCTGCAGAGGCAGACGCTGGAGCCCCAGTTGGCCCTGAGGCTAGCTGTGTCCGCGGCCTGCGGCCTGGC
GCACCTACATGTGGAGATCTTTGGCACTCAAGGCAAACCAGCCATTGCCCATCGTGACCTCAAGAGTCGC
AATGTGCTGGTCAAGAGTAACTTGCAGTGTTGCATTGCAGACCTGGGACTGGCTGTGATGCACTCACAAA
GCAGCGATTACCTGGATATCGGCAACAACCCCCGAGTGGGTACCAAAAGATACATGGCACCCGAGGTGCT
GGATGAGCACATCCGCACAGACTGCTTTGAGTCGTACAAGTGGACAGACATCTGGGCCTTTGGCCTAGTG
CTATGGGAGATCGCCCGGCGGACCATCATCAATGGCATTGTGGAGGATTACAAGCCACCTTTCTATGACA
TGGTACCCAATGACCCCAGTTTTGAGGACATGAAAAAGGTGGTGTGCGTTGACCAGCAGACACCCACCAT
CCCTAACCGGCTGGCTGCAGATCCGGTCCTCTCCGGGCTGGCCCAGATGATGAGAGAGTGCTGGTACCCC
AACCCCTCTGCTCGCCTCACCGCACTGCGCATAAAGAAGACATTGCAGAAGCTCAGTCACAATCCAGAGA
AGCCCAAAGTGATTCACTAGCCCAGGGCCACCAGGCTTCCTCTGCCTAAAGTGTGTGCTGGGGCAGAAGA
CATAGCCTGTCTGGGTAGAGGGAGTGAAGAGAGTGTGCACGCTGCCCTGTGTGTGCCTGCTCAGCTTGGC
TCCCAGCCCATCCAGCCAAAAATACAGCTGAGCTGAAATTCAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009612

Insert Size: 1509 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: BC014291, AAH14291

RefSeq Size:	1876 bp
RefSeq ORF:	1509 bp
Locus ID:	11482
UniProt ID:	Q61288
Cytogenetics:	15 F1
Gene Summary:	Type I receptor for TGF-beta family ligands BMP9/GDF2 and BMP10 and important regulator of normal blood vessel development. On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. May bind activin as well.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the predominant isoform (a). Variants 1, 2, 3, and 4 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.