

Product datasheet for MC211413

Actrt1 (NM_028514) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Actrt1 (NM_028514) Mouse Untagged Clone
Tag: Tag Free
Symbol: Actrt1
Synonyms: 1700061J02Rik; Arp-T1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211413 representing NM_028514
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTTGATCCAGCTAGATTAGATAATCCAGCTGTGATTTTTGACAATGGTTCTGGACTCTGTAAGTTG
 GAATTTCCAGGAGAGATTGAACCTCGTCATGTCATCAACTCTGTCGTTGGGCACCCAAAATCAACATACC
 ATCTGCAAGATCTAATCGGAAAAGGTACTTTGTGGGAGAAGAAGCTCAGTGCATGTATGATGGCTTATAT
 CTACACTATCCTATTGAGCGTGGACTGGTAACTAGATGGGATGACATGGAAAACTGTGGAAGGATCTTT
 TTGAGTGGGAGCTAGGAGTGAACCCAATGAACAACCAAGTTTTTCATGACTGAGCCCTCCTTGAACCCACA
 AGAGACCCGAGAGAAGACCACAGAAATAATGTTTGAGAAATTTAACGTGCCTGCCTTGTATCTTTGCAAC
 CACGCAGTAGGAGCCTTGTGTGCTTCTGCCTGTATCACTGGGCTGGTCTGGACAGTGGAGATGGTGCA
 CCTGCACTGTTCCCGTCTATGAAGGCTACTCTGCCTCATGCTATCACCAGCTATATGTGGCAGGGAG
 AGATATCACAGAACCTCACCCGACTCCTTCTGCTAAAGGTTACACCTCCCCTGCATCCTCAACAAA
 GCAGTGGTGGATGATATTAAGAGAAGTTATGTACTGTCTCCTTGGGCTACAAAGACACAGAAAAGAATT
 GTCAGCAGTTCCTAAGAAAATACACACTGCCAGATGGAATACTATCCAGATGAGTGACCCACTGTGCCA
 GGTGCCTGAGGTTCTTTTTACACCTGACCATCTAGGTATTCATGATTTAGGAATCTCAAAAATGGTCTGC
 AACAGCATCATGAACTGTGACACTGACATCCAGGAGAATCTGTTTGTGAGATTGTGCTTTCTGGAGGTA
 CCACAATGTTCCCGGGCTTCAGGATAGACTCCTGAAAGAACTAGAAGATCTGGCTTTTGGAGGAACCC
 TATCAAGATCACAGTTCCTCAGACAGATGTTATTCGGCTTGGATTGGTGGATCTGTCATGACATCCATG
 ACAACATTCAAGCAGATGTGGGTCCTGCTGAGGACTTCAAAGAGTATGGGGCATTGTGGTTCAAAGAA
 AATGCTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_028514
Insert Size:	1131 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:	<ol style="list-style-type: none">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:	<u>NM_028514.3</u> , <u>NP_082790.1</u>
RefSeq Size:	1339 bp
RefSeq ORF:	1131 bp
Locus ID:	73360
UniProt ID:	<u>Q9D9J3</u>
Cytogenetics:	X A4
Gene Summary:	Negatively regulates the Hedgehog (SHH) signaling. Binds to the promoter of the SHH signaling mediator, GLI1, and inhibits its expression.[UniProtKB/Swiss-Prot Function]