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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC211413 representing NM_028514
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTTGATCCAGCTAGATTAGATAATCCAGCTGTGATTTTTGACAATGGTTCTGGACTCTGTAAAGTTG
GAATTTCAGGAGAGATTGAACCTCGTCATGTCATCAACTCTGTCGTTGGGCACCCAAAATTCAACATACC
ATCTGCAAGATCTAATCGGAAAAGGTACTTTGTGGGAGAAGAAGCTCAGTGCATGTATGATGGCTTATAT
CTACACTATCCTATTGAGCGTGGACTGGTAACTAGATGGGATGACATGGAAAAACTGTGGAAGGATCTTT
TTGAGTGGGAGCTAGGAGTGAAACCCAATGAACAACCAGTTTTCATGACTGAGCCCTCCTTGAACCCACA
AGAGACCCGAGAGAAGACCACAGAAATAATGTTTGAGAAATTTAACGTGCCTGCCTTGTATCTTTGCAAC
CACGCAGTAGGAGCCTTGTGTGCTTCTGCCTGTATCACTGGGCTGGTCCTGGACAGTGGAGATGGTGTCA
CCTGCACTGTTCCCGTCTATGAAGGCTACTCTCTGCCTCATGCTATCACCAAGCTATATGTGGCAGGGAG
AGATATCACAGAACACCTCACCCGACTCCTTCTTGCTAAAGGTTACACCTTCCCCTGCATCCTCAACAAA
GCAGTGGTGGATGATATTAAAGAGAAGTTATGTACTGTCTCCTTGGGCTACAAAGACACAGAAAAGAATT
GTCAGCAGTTCCTAAGAAAATACACACTGCCAGATGGGAATACTATCCAGATGAGTGACCACCTGTGCCA
GGTGCCTGAGGTTCTTTTTACACCTGACCATCTAGGTATTCATGATTTAGGAATCTCAAAAATGGTCTGC
AACAGCATCATGAACTGTGACACTGACATCCAGGAGAATCTGTTTGCTGAGATTGTGCTTTCTGGAGGTA
CCACAATGTTTCCCGGGCTTCAGGATAGACTCCTGAAAGAACTAGAAGATCTGGCTTTTGAGGGAACCCC
TATCAAGATCACAGCTTCCTCAGACAGATGTTATTCGGCTTGGATTGGTGGATCTGTCATGACATCCATG
ACAACATTCAAGCAGATGTGGGTCACTGCTGAGGACTTCAAAGAGTATGGGGCATTTGTGGTTCAAAGAA
AATGCTTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
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:	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:	NM_028514.3, NP_082790.1
RefSeq Size:	1339 bp
RefSeq ORF:	1131 bp
Locus ID:	73360
UniProt ID:	Q9D9J3
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]

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