

Product datasheet for RN204196

Actg2 (NM_012893) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Actg2 (NM_012893) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Actg2
Synonyms:	ACTGE; SMGA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204196 representing NM_012893 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGTGAAGAAGAGACCACCGCCTTGTGTGACAATGGGTCTGGCCTGTGCAAGGCAGGCTTTGCAG
GAGACGACGCTCCAGGGCTGTCTTTCCCTCCATTGTGGGCCGCCCTCGGCATCAGGGCGTGATGGTGGG
AATGGGCCAGAAAGACAGCTATGTGGGGACGAAGCCCAGAGCAAGCGTGGGATCCTGACCTCAAATAC
CCCATTTAGCACGGCATCATCAGAACTGGGATGACATGGAGAAGATCTGGCACCACTCCTTCTACAACG
AGCTGCGAGTAGCACCAGAAGAGCACCCGACCTGCTCACAGAGGCCCCCTAAACCTAAAGCCAAACAG
GGAGAAGATGACCAGATCATGTTGAAACCTTCAATGTTCTGCCATGTATGTTGCCATTCAAGCTGTG
CTCTCGCTCTATGCATCTGGCCGACCACAGGCATCGTCTGGATTAGGGGATGGCGTCACCCACAATG
TCCCCATCTACGAGGGCTATGCACTGCCCCATGCCATCATGCGTCTTGACCTGGCTGGACGGGATCTCAC
AGACTACCTCATGAAAATTCTCACAGAAAGAGGCTATTCCTTTGTGACCACAGCTGAGAGAGAAATTGTG
CGAGACATCAAGGAGAAGCTGTGCTACGTAGCCCTGGATTTTGAATGAGATGGCCACGGCGGCTTCGT
CTTCTCCCTGGAGAAGAGCTACGAGTTGCCTGATGGGCAGGTCATCACGATTGGCAATGAGCGCTTCCG
CTGCCCGAGACCCTGTTCCAGCCTTCTTCATTGGCATGGAGTCAGCTGGAATTCATGAGACAACATAC
AATTCATCATGAAGTGTGACATTGACATCCGCAAGGATTTGTATGCTAACAAATGCTCTCTGGGGCA
CTACCATGACCTGGGATTGCTGACAGGATGCAGAAGGAGATCACAGCCTTGGCTCCCAGCACCATGAA
GATCAAGATCATCGTCTCCGGAGCGGAAGTACTCAGTCTGGATTGGAGGCTCCATCCTGGCTTCTCTC
TCCACCTCCAGCAAATGTGGATCAGCAAGCCAGAGTATGATGAAGCGGGGCCCTCCATTGTCCACAGGA
AATGCTTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_012893
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_012893.1, NP_037025.1</u>
RefSeq Size:	1237 bp
RefSeq ORF:	1131 bp
Locus ID:	25365
UniProt ID:	<u>P63269</u>
Cytogenetics:	4q34
Gene Summary:	may play a role in smooth muscle function [RGD, Feb 2006]