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Product datasheet for SC307102

RASSF6 (NM_177532) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	RASSF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307102 representing NM_177532. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGACTATGATGGCTCACCAGTACCCCTCTTGGATCTTCATTAATGAGAAGACATTCATAACCAGGGAA CAACTTAATTCTTTATTGAAGACCTATAACATTTTTTATGAGAACCAGAAAAATCTGCATATTTTATAT GGAGAGACTGAAGATGGCAAACTAATTGTTGAAGGAATGCTGGACATTTTCTGGGGAGTAAAACGACCT ATACAGCTAAAAATACAAGATGAGAAGCCATTCTCTTCTTTTACTAGTATGAAGTCATCAGACGTCTTC TCCAGCAAAGGAATGACACGCTGGGGGGAATTTGACGATCTCTATCGTATTAGTGAGCTGGACAGGACC CAGATTCCTATGTCTGAAAAAAGGAATTCCCAGGAAGACTATTTATCTTATCACAGCAACACCCTGAAG CCACATGCAAAGGATGAACCAGACTCCCCAGTGCTCTATAGAACCATGAGTGAAGCAGCTCTGGTGAGA AAAAGGATGAAGCCTCTGATGATGGACAGAAAAGAAAGACAGAAAAATAGAGCCTCTATTAATGGACAC TTCTATAACCATGAAACATCAATTTTCATTCCAGCCTTTGAATCAGAAACTAAGGTCAGAGTAAACAGT AACATGAGAACTGAAGAAGTAATAAAGCAACTTCTCCAAAAATTTAAGATTGAAAATAGTCCCCAGGAT TTTGCTCTTCACATTATTTTTGCAACAGGAGAACAAAGACGACTAAAGAAGACAGACATTCCGCTACTG CAGAGGCTCCTACAGGGACCTTCTGAAAAGAATGCTCGCATTTTCCTCATGGATAAAGATGCAGAAGAA ATTAGCAGTGATGTGGCTCAGTACATTAACTTTCACTTTTCTCTCTTGGAATCCATTCTTCAAAGATTA AATGAAGAAGAGAAAAGAGAGATTCAAAGAATAGTAACAAAATTCAATAAAGAAAAGGCGATTATACTG AAATGTCTTCAAAATAAACTAGTAATAAAAACAGAGACAACAGTTTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_177532
Insert Size:	1014 bp

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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_177532.4
RefSeq Size:	6040 bp
RefSeq ORF:	1014 bp
Locus ID:	166824
UniProt ID:	Q6ZTQ3
Cytogenetics:	4q13.3
MW:	39.8 kDa

Gene Summary:

This gene encodes a member of the Ras-association domain family (RASSF). Members of this family form the core of a highly conserved tumor suppressor network, the Salvador-Warts-Hippo (SWH) pathway. The protein encoded by this gene is a Ras effector protein that induces apoptosis. A genomic region containing this gene has been linked to susceptibility to viral bronchiolitis. Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) represents the longest transcript. It encodes 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.