

Product datasheet for SC303311

RASSF7 (NM_003475) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF7 (NM_003475) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASSF7
Synonyms:	C11orf13; CFAP88; FAP88; HRAS1; HRC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303311 representing NM_003475. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGTTGTTGGGACTGGCGCCATGGAGCTGAAGGTGTGGGTGGATGGCATCCAGCGTGTGGTCTGTGGG
 GTCTCAGAGCAGACCACCTGCCAGGAAGTGGTCATCGCACTAGCCCAAGCAATAGGCCAGACTGGCCGC
 TTTGTGCTTGTGCAGCGGCTTCGGGAGAAGGAGCGGCAGTTGCTGCCACAAGAGTGTCCAGTGGGCGCC
 CAGGCCACCTGCGGACAGTTTGCCAGCGATGTCCAGTTTGTCTGAGGCGCACAGGGCCAGCCTAGCT
 GGGAGGCCCTCTCAGACAGCTGTCCACCCCGGAACGCTGCCTAATTCGTGCCAGCCTCCCTGTAAAG
 CCACGGGCTGCGCTGGGCTGTGAGCCCCGAAACACTGACCCCGAGCCAGCCCCAGCCTCTCACGC
 CCTGGGCCTGCGGCCCTGTGACACCCACACCAGGCTGCTGCACAGACCTGCGGGGCTGGAGCTCAGG
 GTGCAGAGGAATGCTGAGGAGCTGGGCCATGAGGCCTTCTGGGAGCAAGAGCTGCGCCGGGAGCAGGCC
 CGGGAGCGAGAGGGACAGGCACGCCTGCAGGCACTAAGTGCGGCCACTGCTGAGCATGCCGCCCGGCTG
 CAGGCCCTGGACGCTCAGGCCCGTGCCCTGGAGGCTGAGCTGCAGCTGGCAGCGGAGGCCCTGGGCC
 CCCTCACCTATGGCATCTGCCACTGAGCGCCTGCACCAGGACCTGGCTGTTTCAGGAGCGGCAGAGTGCG
 GAGGTGCAGGGCAGCCTGGCTCTGGTGAAGCGGCCCTGGAGGAGCAGAGCGAGCCTTGACAGGCTCAG
 GCTCAGGAGCTGGAGGAGCTGAACCGAGAGCTCCGTCACTGCAACCTGCAGCAGTTTCATCCAGCAGACC
 GGGGCTGCGCTGCCACCGCCCCACGGCCTGACAGGGGCCCTCTGGCACTCAGGGCCCTCTGCCTCCA
 GCCAGAGAGGAGTCCCTCTGGGCGCTCCCTCTGAGTCCCATGCTGGTGCCAGCCTAGGCCCGGAGGT
 GGCCCCCATGACGCGAAGCTCCTGGAGGTAGCAGCAGCTCCTGCCCCAGAGTGGTGTCTCTGGCAGCC
 CAGCCCCAGGCTCTG**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_003475
Insert Size:	1122 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).
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.
RefSeq:	<u>NM_003475.3</u>
RefSeq Size:	1554 bp
RefSeq ORF:	1122 bp
Locus ID:	8045
UniProt ID:	<u>Q02833</u>
Cytogenetics:	11p15.5
MW:	39.9 kDa
Gene Summary:	Negatively regulates stress-induced JNK activation and apoptosis by promoting MAP2K7 phosphorylation and inhibiting its ability to activate JNK. Following prolonged stress, anti-apoptotic effect stops because of degradation of RASSF7 protein via the ubiquitin-proteasome pathway. Required for the activation of AURKB and chromosomal congression during mitosis where it stimulates microtubule polymerization.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).