

Product datasheet for **MC227130**

Rassf1 (NM_001243748) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rassf1 (NM_001243748) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rassf1
Synonyms: 123F2; AA536941; AU044980; NORE2A; Rassf1A; Rassf1B; Rassf1C; RDA32; REH3P21
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227130 representing NM_001243748
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGCGGAGCCAGAACTCATTGAACTACGCGAGCTGGCACCCTCCGGGCGCATCGGTCCAGGCCGTA
CCCGGCTGGAGCGTGCCAACGCTCTGCGCATCGCCCCGGGTACAACACGCAATCCGTACAGCAGCAGCT
CCCGGGTCGTGGCCACCGTTTCCAGCCTGCAGGGCCACCACGCACACGTGGTGGGACTCTGTGGAGAC
TTCATCTGGGGCGTCGTGCGCAAGGGCCTACAGTGCAGCGCACTGCAAGTTCACCTGCCATTACCGTTGTC
GCGCGCTCGTCTGCTTGACTGTGCGGGCCCCGAGACCTGGGCTGGGACTCTGCACTAGAGCGGGATAC
GAACGTGGATGAGGCTGTAGAGCGGGAGACACCCGATCTTTCTCAAGCTGAGACTGAGCAGAAAAACAAG
GACTACAATGGCCAGATCAACAGCAACCTTTCATGAGCCTGAATAAGGATGGCTCCTACACAGGCTTCA
TCAAGGTTTCAGCTGAAACTAGTGCCTCTGTTTCAGTGCCTCCAGCAAGAAACACCTTCTTACAGGA
CGCCCGGAGAGGTACGGGGCGGAGCACAGCCGTGAAGCGCCGACCTCTTTTACTTGCCTAAGGATGCT
ATTAAGCATTCGATGTTCTATCACGAACACGGGCACGTGAGGTCATTGAGGCCCTGCTCGAAAAATTCA
TGCTCGTAGATGATCCTCGAAGTTTGCACCTTTGAGCGAACTGAACGGCATGGCCAAATACCTCCG
GAAGCTGTCGGATGACGAGCAGCCCTTGAAGCTGCGGCTTCTTGCAGGGCCAGTGAAAAAGCCCTGAGC
TTTGTCTGAAGGAAAAATGACTCGGGAGAGGTGAACTGGGATGCCTTTCAGCATGCCTGAACTGCACAATT
TCTACGAATCCTGCAGCGGGAAGAAGAGGAACACCTTCGCCAGATCCTGCAGAAGTATTCTCGTTGTCG
CCAGAAGATCCAGGAGGCTCTGCACGCCTGTCCTTTGGG**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001243748



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Insert Size:	1023 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001243748.1</u> , <u>NP_001230677.1</u>
RefSeq Size:	1787 bp
RefSeq ORF:	1023 bp
Locus ID:	56289
UniProt ID:	<u>Q99MK9</u>
Cytogenetics:	9 F1
Gene Summary:	<p>Potential tumor suppressor. Required for death receptor-dependent apoptosis. Mediates activation of Mediates activation of STK3/MST2 and STK4/MST1 during Fas-induced apoptosis by preventing their dephosphorylation. When associated with MOAP1, promotes BAX conformational change and translocation to mitochondrial membranes in response to TNF and TNFSF10 stimulation. Isoform A interacts with CDC20, an activator of the anaphase-promoting complex, APC, resulting in the inhibition of APC activity and mitotic progression. Inhibits proliferation by negatively regulating cell cycle progression at the level of G1/S-phase transition by regulating accumulation of cyclin D1 protein. Isoform C has been shown not to perform these roles, no function has been identified for this isoform. Isoform A disrupts interactions among MDM2, DAXX and USP7, thus contributing to the efficient activation of TP53 by promoting MDM2 self-ubiquitination in cell-cycle checkpoint control in response to DNA damage (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>