

Product datasheet for **SC111738**

RASSF2 (NM_014737) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF2 (NM_014737) Human Untagged Clone
Tag:	Tag Free
Symbol:	RASSF2
Synonyms:	CENP-34; RASFADIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_014737, the custom clone sequence may differ by one or more nucleotides

```
ATGGACTACAGCCACCAAACGTCCCTAGTCCCATGTGGACAAGATAAATACATTTCCAAAAATGAACTTC
TCTTGCATCTGAAGACCTACAACCTGTACTATGAAGGCCAGAATTTACAGCTCCGGCACCAGGGAAGA
AGACGAGTTTCATTGTGGAGGGGCTCCTGAACATCTCCTGGGGCCTGCGCCGGCCATTGCGCTGCAGATG
CAGGATGACAACGAACGCATTGACCCCTCCATCCTCCTCCTGGCACTCTGGCTGTAACTGGGGG
CTCAGGGAACCACTCTGAAGCCCTGACTGTGCCAAAGTTCAGATCTCAGAGGTGGATGCCCCGCCGA
GGGTGACCAGATGCCAAGCTCCACAGACTCCAGGGCCTGAAGCCCTGCAGGAGGACACCCACAGCTG
ATGCGCACACGCAGTGATGTTGGGTGCGTCGCGTGGCAATGTGAGGACGCCTAGTGACCAGCGCGAA
TCAGACGCCACCGCTTCCATCAACGGCCATTTCTACAACCATAGACATCCGTGTTACACCAGCCTA
TGGCTCTGTACCAACGTCCGCATCAACAGCACCATGACCACCCACAGGTCTGAAGCTGCTGCTCAAC
AAATTTAAGATTGAGAATTCAGCAGAGGAGTTTGCCTTGTACGTGGTCCATACGAGTGGTGAGAAACAGA
AGCTGAAGGCCACCGATTACCCGCTGATTGCCGAATCCTCCAGGGCCCATGTGAGCAGATCTCCAAAGT
GTTCTAATGGAGAAGGACCAGGTGGAGGAAGTCACTACGACGTGGCCAGTATATAAAGTTCGAGATG
CCGGTACTTAAAAGCTTCATTGAGAAGCTCCAGGAGGAAGAAGATCGGGAAGTAAAGAAGCTGATGCCGA
AGTACACCGTGTCCGGCTAATGATTGACAGAGGCTGGAGGAGATAGCCGAGACCCAGCAACAATCTG
A
```



[View online »](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014737 unedited
 GTATACGACTCACTATAGGCGGCCGCGATTTCGGCACGAGGCGGACGAGCAGATCCGGTAT
 CTGGAATCCCAGGCGCCTAGAACGTGTTTTTCGGGAGAGCAAAGGCTGTGTCTACGGCAGG
 CTGGGGATATAGCCTCTCCTTCCGATGAAAAGAGAAAAGGAAGAATGGACTACAGCCACCA
 AACGTCCTTAGTCCCATGTGGACAAGATAAATACATTTCCAAAAATGAACTTCTCTTGCA
 TCTGAAGACCTACAACCTGTACTATGAAGGCCAGAATTTACAGCTCCGGCACCGGGAGGA
 AGAAGACGAGTTCATTGTGGAGGGGCTCCTGAACATCTCCTGGGGCTGCGCCGGCCCAT
 TCGCCTGCAGATGCAGGATGACAACGAACGCATTTCGACCCCTCCATCCTCCTCCTCTG
 GCACTCTGGCTGTAACTGGGGGCTCAGGGAACCACTCTGAAGCCCTGACTGTGCCCAA
 AGTTTCAGATCTCAGAGGTGGATGCCCGCCGGAGGGTGACCAGATGCCAAGCTCCACAGA
 CTCCAGGGGCTGAAGCCCTGCAGGAGGACACCCACAGCTGATGCGCACACGCAGTGA
 TGTTGGGGTGCCTCGCCGTGGCAATGTGAGGACGCCTAGTGACCAGCGGCGAATCAGACG
 CCACCGCTTCTCCATCAACGGCCATTTCTACACCATAAGAATNCGTGTTACACCAGCCT
 ATGGCTCTGTACCAACGTNCGCATCAACAGCACCATGACCACCCACAGGTCCTGAAAC
 TGCTGCTCAACAATTTTAGATTGAGNATCCAGCAGAGGAGTTTGCCTTGACCGTGGTCAT
 ACAAGGGGGGAGAAAAGAACTGGAGGCCACCGATTCCCGTTGATTGCCGAATCTNCAAGN
 CCATGGGAGCAGATCTCCAGATGTTCTATGAAAAGGACCGGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014737 unedited
 GTGCTTTTTTTCAGTAAAATCTAAGTCAGNAGCATTAAAAACATATCAAAATGTTACAAA
 ATGTATGGCTCCCTTGCTGAGGCCCTGTCAGATTATGTTAGATGAGTAAACGCATCAGTG
 TGAAGTTCAGAACCAACGTTGAATCAAGTCATGTACCATCGCTGAAAGGCAAGTTATA
 ATTAAGAATACTTCAACAAGGCTAAAACAATTGGGAAAACCTTCCAGAAACGCTAGCAATT
 ACACACCAGAAACATCAGCCTGGAACAGGCTCTGCGATCTGCAGGGAAGACTCCAAGGT
 AAAGTGAAGGTTTCCACCCACAGCTTGTGCATCTTGTGCTCAGTTAAATACAGTTAAAC
 ACAAGGGGCGCTTCAACACCCCTTGTGATAGGGCAGAGCTTTCTATTACATCTGGAAG
 AAGGGGGCGCCACATTCTTATTTTACATCTCTAGGAAATCATATCTCATCTCATC
 TGAGCGAAGCAAGACTTTGTGCAAAACGATTTAAGTGGAAACGTGAAAATGTGTGCTGCT
 ATATCAGGGACGCTTATGGTGATCTCCTGTCTCCTATCTCATTCTCACGTCATGGTTTG
 GCCGCTGTAAGACTGAAATGCCTTGTTCATGTAGAAATTTCTTTTTGGCTGGGCAC
 AGTGGCTCAGCCTGTAATCCCAACACTTTGGGAGGCCCTAGGCGGGTGGATCAGCAGGTC
 ANGAGTTCAAGACCAGCCTGGCCAAGATGGTGAACCCCACTCTACTAANACCACAN
 AAAAATAGCCGGGCGTGGGTGGCGGGTCCCTGTATTCCAGCTACTTGGGAGGCTGAGAC
 AGGAGAATCACTGNNNACCCAAGCNGATGNTGCAGTGAGCTGAGATCCCACACTGCACTN
 CAGCCTGGAAACAGAACAGACTCTGNCTCAAAAAAAAAAAGAAGAANGAANNCTNTCTCG
 CGATGATCTTGAACCCATCTTTGGCTACAAGCTTGACTAAACAAGGTTTGGTTGTTGG
 TGTGGGGG

Restriction Sites:

NotI-NotI

ACCN:

NM_014737

Insert Size:

6000 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_014737.1](#), [NP_055552.1](#)

RefSeq Size: 5426 bp

RefSeq ORF: 981 bp

Locus ID: 9770

UniProt ID: [P50749](#)

Cytogenetics: 20p13

Domains: RA

Gene Summary: This gene encodes a protein that contains a Ras association domain. Similar to its cattle and sheep counterparts, this gene is located near the prion gene. Two alternatively spliced transcripts encoding the same isoform have been reported. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same isoform.