

Product datasheet for **SC108339**

RNF152 (NM_173557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF152 (NM_173557) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF152
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_173557, the custom clone sequence may differ by one or more nucleotides

ATGGAGACGCTGTCCCAGGACTCTCTGCTGGAATGTCAGATCTGTTTCAATTACTACAGCCCCGGCGCA
GGCCCAAGTTGCTGGACTGCAAGCACACCTGCTGTTTCAGTGTGCCTGCAGCAGATGAGGACCAGCCAGAA
GGATGTGCGGTGCCCTGGTGCCGCGGTGTACCAAGCTGCCTCCCGCTTCTCCGTGTCGACGCTCCCG
GACGACCCGGAGGTCCTGGTGTTCATCGCCATTCACACACTCCGAACACACCCCGTTCATCAAAC
TTCCCAGCAATGGGTGTACATGCTGCCCTGCCATCTCCAAGGAGCGTGCCTGCTGCCCGGAGACAT
GGGCTGCCGCTGCTGCCGCGGAGCCAGCAGAAGTCCGTACCGTGGTGACCATCCCTGCTGAACAGCAG
CCTCTGCAAGGTGGGCTCCCCAGGAGCGGTGGAGGAGGAGCAGGACAGCGGGGCGTGGTGAAGAAGCT
CCACCTGGTGGGGGTGTCACTGTCTTGGTGGCTTGGCTTCTCCTCGGCATCGTGTCT
TCACAACATGTCTTGCAATTTCTAAGCGCTTCACTGTGATATCCTGTGGCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_173557 unedited
TACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGAAGTGAGGAGCTGGGGTATCT
GAATTGCCCTAGGAGGCTCGTTAAGTTCTAAGAAGAAATGAACACACCTGTGAGTACTG
GATGCCTGTGAGCTTGCCATTACCTGCACTGCAAAGACACAGGGCGGTGGCCTCTGAGAA
GCAGCTCCTTCCCTTACCTTGGCCTTCCCTTCTGCTCACGGTCCACCATGGAGACG
CTGTCCCAGGACTCTCTGCTGGAATGTCAGATCTGTTTCAATTACTACAGCCCCGGCGC
AGGCCAAAGTTGCTGGACTGCAAGCACACCTGCTGTTTCAGTGTGCCTGCAGCAGATGAGG
ACCAGCCAGAAGGATGTGCGGTGCCCTGGTGCCGCGGTGTACCAAGCTGCCTCCCGG
TTCTCCGTGTCGACGCTCCCGGACGACCCGGAGGTCCTGGCTGTTCATCGCCATTCACAC
ACTTCCGAACACACCCCGTCTTCATCAAACCTCCAGCAATGGGTGCTACATGTGCCC
CTGCCATCTCCAAGGAGCGTGCCTGCTGCCCGGAGACATGGGCTGCCGCTGTGCCC
GGGAGCCAGCAGAAGTCCGTACCGTGGTGACCATCCCTGCTGAACAGCAGCCTCTGCAA
GGTGGNGCTCCNCANGAGGCGGTGGANGAGGAGCANG

Restriction Sites: NotI-NotI



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ACCN:	NM_173557
Insert Size:	1500 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_173557.1</u> , <u>NP_775828.1</u>
RefSeq Size:	1805 bp
RefSeq ORF:	612 bp
Locus ID:	220441
UniProt ID:	<u>Q8N8N0</u>
Cytogenetics:	18q21.33
Protein Families:	Transmembrane
Gene Summary:	E3 ubiquitin-protein ligase mediating 'Lys-63'-linked polyubiquitination of RRAGA in response to amino acid starvation. Thereby, regulates mTORC1 signaling and plays a role in the cellular response to amino acid availability (PubMed:25936802). Also mediates 'Lys-48'-linked polyubiquitination of target proteins and their subsequent targeting to the proteasome for degradation. Induces apoptosis when overexpressed (PubMed:21203937).[UniProtKB/Swiss-Prot Function]