

## Product datasheet for **SC107633**

### **RNF6 (NM\_183043) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RNF6 (NM_183043) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF6
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_183043, the custom clone sequence may differ by one or more nucleotides

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ATGAATCAGTCTAGATCGAGATCAGATGGTGGCAGTGAAGAAACCTTACCTCAAGACCATAATCATCATG
AAAATGAGAGAAGATGGCAGCAAGAGCGTCTCCACAGAGAAGAGGCCTATTATCAGTTTATTAATGAACT
CAATGATGAAGATTATCGGCTTATGAGAGACCATAATCTTTTAGGCACCCTGGAGAAATACATCAGAA
GAACTGCAACAGCGGTTAGATGGCGTCAAGGAACAACATAGCATCTCAGCCTGACTTGAGAGATGGAACGA
ATTACAGAGACTCAGAAGTCCCTAGAGAAAGTTACATGAAGATTCTCTTCTAGAATGGTTGAACACCTT
TCGGCGCACAGGAAATGCAACTCGAAGTGGACAAAATGGGAACCAAACTTGGAGAGCTGTGAGTCAACAA
AACCCGAACAATGGAGAGTTTCGGTTTGTGGAAATCCACGTAATCATGAAAATAGAGGATTTGAAA
TTCATGGAGAAGATTATACAGACATTCCACTTTCAGATAGTAACAGAGATCATACTGCAAAATAGGCAACA
AAGGTCAACTAGTCTGTGGCTAGGCGAACAAGAAGCCAAACCTCAGTGAATTTCAATGGTAGTAGTTCC
AACATTCCAAGGACTAGGCTTGCTTCAAGGGGGCAAAAATCCAGCTGAAGGATCTTTCTCAACATTGGGAA
GGTTAAGAAATGGAATGGGGGAGCAGCTGGCATTCTCGAGCTAACGCTTCACGCACTAATTTTCAGTAG
TCACACAAACCAATCAGTGGTGTGAACTCAGGCAAAGGGAGGGCAACGGTTTGGAGCAGCACATGTT
TGGGAAAATGGGGCTAGAAGTAATGTTACAGTGAGGAATACAAACCAAAGATTAGAGCCAATAAGATTAC
GATCTACTTCCAATAGTCGAAGCCGTTCCCAATTAGAGACAGAGTGGCACTGTTTATCATAATCCCA
AAGGGAAAGTAGACCAGTACAGCAAACCACTAGAAGATCTGTTAGGAGGAGAGGTAGAATCGAGTCTTT
TTAGAGCAAGATAGAGAACGAGAACGCAGAGGTACTGCATATACCCATTCTCTAATTCAAGGCTTGTGT
CAAGAATAACAGTAGAAGAAGGAGAAGAATCCAGCAGATCCTCAACTGCTGTACGACGACATCCAACAAT
CACACTGGACCTTCAAGTGAGAAGGATCCGTCTGGAGAAAATAGAGATCGGGATAGTATTGCAAAATAGA
ACTCGATCCAGAGTAGGGCTAGCAGAAAATACAGTCACTATTGAAAGCAATAGTGGGGGCTTTCGCCGAA
CCATTTCTCGTTTAGAGCGGTCAGGTATTCGAACCTATGTTAGTACCATAACAGTTCCTCTTCGTAGGAT
TTCTGAGAATGAGCTTGTGAGCCATCATCAGTGGCTCTTCGGTCAATTTAAGGCAGATCATGACTGGG
TTTGGAGAACTGAGTTCTCTAATGGAGGCCGATTCTGAGTCAGAACTTCAAAGAAATGGCCAGCATTAC
CAGACATGCACTCAGAACTGAGTAACTTAGGTACAGATAACAACAGGAGCCAGCACAGGGAAGGTTCCCTC
TCAAGACAGGCAGGCCAAGGAGACAGCACTGAAATGCATGGTAAAACGAGACCACCCAGCCTCATACT
CGAAACAGTGACAGTAGGGGTGGCAGGCAGTTGCGAAATCAAACAATTTAGTTGAAACTGGAACACTAC
CCATTCTTCGCTTGTCTCACTTTTTTTTACTAAATGAAAGTGATGATGATGATCGAATACGTGGTTAAC
CAAAGAGCAGATTGACAATCTTCCACCAGGCACTATGAGCATAACAGTATTGATAGTGAAGTAAAGTAAA
ATCTGTAGTGTGTTGATTAGTACTATGTAAGTGGAAACAAGCTCAGGCAATTACCTTGCATGCATGAAT
TTCACATTCATTGATTGACCGATGGCTCTCAGAGAATTGCACTTGTCCGATCTGTCCGAGCCTGTTTT
AGGGTCTAACATAGCAAACAATGGGTAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_183043 unedited NTGTCACCATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGGGCAGCTC TCAAAAAAGCACAACAATTGAAGGATGGATACCATGGCATATGTTAAAAGCGTGTGAA AGGAAAATAAGAAAGCCAGGAATCTCAGGATGAATCAGTCTAGATCGAGATCAGATGGTG GCAGTGAAGAAACCTTACCTCAAGACCATAATCATCATGAAAATGAGAGAAGATGGCAGC AAGAGCGTCTCCACAGAGAAGAGGCCTATTATCAGTTTATTAATGAACTCAATGATGAAG ATTATCGACTTATGAGAGACCATAATCTTTTAGGCACCCCTGGAGAAAATACATCAGAAG AACTGCAACAGCGTTAGATGGCGTCAAGGAACAACACTAGCATCTCAGCCTGACTTGAGAG ATGGAACGAATTACAGAGACTCAGAAGTCCCTAGAGAAAAGTTCACATGAAGATTCTCTTC TAGAATGGTTGAACACCTTTCGGCGCACAGGAAATGCAACTCGAAGTGGACAAAATGGGA ACCAAACCTGGAGAGCTGTGAGTCGAACAACCCGAACAATGGAGAGTTTCGGTTTAGTT TGGAAATCCACGTAAATCATGAAAATAGAGGATTTGAAATTCATGGAGAAGATTACAG ACATTCACCTTTCAGATAGTAACAGAGATCATACTGCAAATAGGCAACAAGGTCAACTA GTCCTGTGGCTAGGCGAACAAGAGCCAAACCTCAGAGATTTCAATGGTAGTAGTTCCAAC ATTCCAAGGACTANGCTTCTTCAGGGGGCAAATCCAGCTGAAGGATCTTCTCACATT GGGAAGGTNNAGAATGGNATNGGGGAGCAGCTGGCATTCTCGAGCTACGCTCACGCCTAT TTCAGTATCCACAACCAATCAGTGTAGTGA
<b>Restriction Sites:</b>	ECORI-NOT
<b>ACCN:</b>	NM_183043
<b>Insert Size:</b>	3550 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_183043.1</a> , <a href="#">NP_898864.1</a>
<b>RefSeq Size:</b>	3284 bp
<b>RefSeq ORF:</b>	2058 bp
<b>Locus ID:</b>	6049
<b>UniProt ID:</b>	<a href="#">Q9Y252</a>
<b>Cytogenetics:</b>	13q12.13
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:**

The protein encoded by this gene contains a RING-H2 finger motif. Deletions and mutations in this gene were detected in esophageal squamous cell carcinoma (ESCC), suggesting that this protein may be a potential tumor suppressor. Studies of the mouse counterpart suggested a role of this protein in the transcription regulation that controls germinal differentiation. Multiple alternatively spliced transcript variants encoding the same protein are observed. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (4) differs in the 5' UTR, as compared to variant 1. Variants 1, 3, and 4 all encode the same isoform (1).