

## Product datasheet for SC116405

### RNF6 (NM\_005977) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF6 (NM_005977) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_005977 edited

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GAATTCGGCACGAGGCGAGGGCACAGCGGGCTCCGGAGGCGCGGGCAAGCCTATCCCG
CCTCCCAACCACAGCCTCCAGCACCCGAGAGAACGGCCGCCACAGCACAGTTCCTCCGG
ACAGGAGGGCGAAGGCCCAAGACCTGGAGAGGTGGGCTCGAGGGAAGATCTGGGTCCCA
CCACTACTTCTGGAGACGCCGGGAAAGCAGGCCATCCTTCGAGCCACCCATCTCTTCT
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TGAGAAGGATCCGTCCTGGAGAAAATAGAGATCGGGATAGTATTGCAAATAGAACTCGAT  
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 C

**5' Read Nucleotide  
 Sequence:**

>OriGene 5' read for NM\_005977 unedited  
 GGGTACANAATATGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGCGAGGGC  
 ACAGCGGGCTCCCGGAGCGCGGCCGCAAGCCTATCCCGCCTCCCAACCACAGCCTCCAGC  
 ACCCGAGAGAACGGCCGCCACAGCACAGTTCCTCCGGACAGGAGGGCGAAGGCCAAGA  
 CCTGGAGAGGTGGCTCGAGGGAAGATCTGGGTCCACCACTACTTCTGGAGACGCCG  
 GGGAAAGCAGGCCATCCTTCGAGCCACCCATCTCTTCTCCGATTGGTTAACTGCCTTCTT  
 ATTGCGCTCCGCTGGCTGGTGTATTGGTTGGGATGCACCGTCTATCACCTGCTTCTTGTG  
 AGAATCTAGGTCTCTAAGGGAAGCGTACTTGAGGCTCGGTTGGGAAGAGATGGGCAGCT  
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 AAAGGAAAATAAGAAAGCCAGGAATCTCAGGATGAATCAGTCTAGATCGAGATCAGATGG  
 TGGCAGTGAAGACACCTTACCTCAAGACCATAATCATCATGAAAAATGAGAGAAGATGGCA  
 GCAAGAGCGTCTCCACAGAGAAGAGGCCATTATCAGTTTTAATGAAGTCAATGATGA  
 AGATTATCCGCCTTATGAGAGACCATAATCTTTTTAGCACCCCTGGAGAATAACATCAGA  
 AGAACTGGCACAGCGTTAGATGGCGTCAGGAACAAGTACATCTCAGCCTGACTTGAGA  
 GATGGAACCGATTACCGAGACTCAGCAGTCCCTAGAAAAAGTACATGAAGATTCTCTTC  
 TAGATGGGTGAACCCCTTTCGCGGCCAGGAAAGCCACCTGAAGTGGACAATGGGAACC  
 AACTTGAAGCTGTGAGCCAN

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005977 unedited CGCTTGCCCGGGCCGCTTCTATGATCGGTTTTTTTTTTTTTTTTTTTTGGTTTAATGTTTAT TGGTAGAAACAGATCTTCAATGCATACTTTGTGTTTATATAAACTCTACATTCTCTTAAA GGTTTTCGTTTTGTTTTCACTGGAGATTTTAGCCTCCAAGTGAACCTAACATATTGCCT ATGCATCTGATTCTTTATAGACTTTTAGATTTTAAACTAAATTTGAGAAACCATGCATA CTGTATACCTTATTTAATAATCCAAAGAATTGTTTGCACCTTTCAAAAAAGTTACAAAAAG GCTGAACACAAGTTAAATAACCTATATGATGAAATTTCCATTTCTGAATACTTTTTCA GTATTATATATTGCTTGCTGTCTAATAAGTTAGATTGTCAGAGACGCTTCAGTAAATTAT CTCTACTTTAAAATTATATCTGAATCCCCTTTCTCTGAGATGAACCTGCCAATATTA AAC ATTGTGCCATATGCAGTATTAGCCCAAAAGCTTAAATAAGAACCAAACTGTAGACTGAA TATTTTAACTTAAAATTATACCTATATACACCTATGGTATGCTGCATATTA AAT TAACATTTCAAGTTACATATTTATAGCAAACATTCAGCCAAATACTCTTTCATGAAAAGA TACTGCTCTAAAATAAAAAGGTAATGAAAAGCTTATTTAGACACAAATGCCTAGATATA AGTACTAAGCCTATGAAACTCGAACCTAAAGTCTGCCGTTCTATTAAGAAAAAGAAGATT GATCCTCAACCTACTGAAATGTGCAAATCCAAAGTGCCTAACCTGCAAAATTCACCAA ATTAAACCTTCTTAAAGNTATTATGGTCTAACAAATTA AACTCCCTGCTCTCCGGGA TAATTA AACTTCTGCTTTTACATCTTATATAATCCCCTTTCACAACNCCAAAAAGCCAC GCAAACTGCCAACCTCTCTATCCTGCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005977
<b>Insert Size:</b>	3720 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_005977.2</a> , <a href="#">NP_005968.1</a>
<b>RefSeq Size:</b>	3598 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>Domains:</b>	RING

**Protein Families:** 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 (1) represents the longest transcript and encodes the longer isoform (1). Variants 1, 3, and 4 all encode the same isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.