

## Product datasheet for SC126281

### RNF40 (BC011769) Human Untagged Clone

#### Product data:

|                           |                                       |
|---------------------------|---------------------------------------|
| Product Type:             | Expression Plasmids                   |
| Product Name:             | RNF40 (BC011769) Human Untagged Clone |
| Tag:                      | Tag Free                              |
| Symbol:                   | RNF40                                 |
| Synonyms:                 | BRE1B; RBP95; STARING                 |
| Mammalian Cell Selection: | None                                  |
| Vector:                   | <u>pCMV6-XL5</u>                      |
| E. coli Selection:        | Ampicillin (100 ug/mL)                |
| Fully Sequenced ORF:      | >OriGene sequence for BC011769 edited |

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GCTGACCCTCCTGCTGGTGACGGAAGTACCGCCTCCTCCCGTCTGACGCCCTCAGGGGA
CCCTGCATCGCTCCAGCCGCGCGGCCATGTCTGGGCCAGGCAACAAACGCGCCGCGGC
GACGGGGGCTCAGGGCCCCCGGAAAAGAAGCTGAGTCGTGAGGAGAAGACCACCGACT
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GAGCTGGGCCGTGAGAACC GGCGACTGCAGGACTTGGCCACTCAGCTGCAGGAGAAACAC
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AACCACAACCACCAGCTAAAAGGGGACGCCAGCGATACAAGCGGAAGCTTCGAGAAGTA  
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 CTGGGCCACCCAGAGGATTCTGGCGTCAGTGCCCCAGCCCAGGGAAAGAGGAGGGTGGG  
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 GGACCCGTTTGGACCCACAGCCTCTGTTCTAGAGATGCTTGATAGGCTGTTAATTGTGA  
 TGAATAAACGTTCAACCCTCGGCCTGCAGCCAGAGTAGCCAGGCCGCGCACCCCAAAAAA  
 AAAAAAAAAAAAAAAAAA

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| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for BC011769 unedited</p> <pre> NGGGACTCGGATTTTGTAAACCGACTTTATATAGGGCGGCCGCGCAATTCGCACNNGGCT GACCCTCTGCTGGTGACGGAAGTACCGCTCCTCCGTCTGACGCCCTCAGGGACCCT GCATCGCTCCAGCCGCCGCGGCCATGTCTGGGCCAGGCAACAAACGCGCCGCGGCGACG GGGGCTCAGGGCCCCGAAAAAGAGCTGAGTCGTGAGGAGAAGACCACCACGACTCTTA TCGAGCCCATTCTGTTGGAGGCATCTCTCCACGGAGGAGATGGACCTGAAGGTACTAC AGTTCAAGAACAAAGAACTGGCAGAGCGGCTGGAACAACGGCAGGCTTGTGAAGATGAAC TCCGAGAACGAATTGAGAAGTTGGAGAAGCGGCAGGCCACAGATGATGCCACACTCCTCA TCGTCAATCGCTACTGGGCCAGCTGGATGAACTGTGGAAGCCCTTCTCCGATGCCATG AGAGCCAGGGGAGCTGTCTTCAGCGCCTGAGGCACCTGGGACCCAGGAGGGGCCAAT GTGATGGGACTCTCTCCAGAGCCGGGACATCAGAGCTGAGAGACCCCTTGCTGATGC AGCTGCGGCCCTCTCAGTGAGCCGGCCTTGGCTTTTGTGGTGGCACTGGGTGCCAGCA GCAGTGAGGAGGTGGAGCTGGAGCTGCAAGGCCGAATGGAGTTCTCAAGGCAGCTGTGT CTCGTGTGGTAGAGGCTCAGACCGCTACAGCGCCGGGTGGAGGAACTCTGTCAGCGAG TGTACAGCCGGAGGGACAGTGAGCCCTCAGTGAGGCGGCTCAGGCACACACCCGAGAGC TGGCCGTGAGAACCCGCGACTGCAGGACTTGCCCACTCAGCTGCAGGAGAAACCCACCG </pre> |
| <b>Restriction Sites:</b>           | Please inquire                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ACCN:</b>                        | BC011769                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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>                      | <u><a href="#">BC011769.2</a></u> , <u><a href="#">AAH11769.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>                 | 4217 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>                    | 9810                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Cytogenetics:</b>                | 16p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>            | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Gene Summary:**

The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein was reported to interact with the tumor suppressor protein RB1. Studies of the rat counterpart suggested that this protein may function as an E3 ubiquitin-protein ligase, and facilitate the ubiquitination and degradation of syntaxin 1, which is an essential component of the neurotransmitter release machinery. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]