

## Product datasheet for SC205852

### Protor 1 (PRR5) (NM\_001017530) Human 3' UTR Clone

#### Product data:

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Product Name:             | Protor 1 (PRR5) (NM_001017530) Human 3' UTR Clone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Symbol:                   | Protor 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Synonyms:                 | FLJ20185k; PP610; PROTOR-1; PROTOR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Mammalian Cell Selection: | Neomycin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pMirTarget (PS100062)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ACCN:                     | NM_001017530                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Insert Size:              | 464 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Insert Sequence:          | <p>&gt;SC205852 3'UTR clone of NM_001017530</p> <p>The sequence shown below is from the reference sequence of NM_001017530. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC GGCTCTGGGGGCCGCGAGAGTGTCTGTGAGGCCTCACAGCTGGCCTTGAGTTTTTACTGACACGTCCC TGTGTGCGGGGGTGTCCATGTGGCGTGTGTGAGTGAGACTTTTTTACTGCGTCCCGTCCCGCCAGCC CTATCGGCCTCGTCACTGGCCTTGGTCACTTTGTATTTCTGTCTTGGTTGAAATACCATCAGCCTTCC TTGCTCGGCCAGGTCTGTTTCAGGCATCTGAGTCGGCGTTTACCCAGGGGCCGGCCAGAGACGGGGG TCGGCCGCTCGCTCCACGCTCCTGCCCCAGCCCTCTGGTGTCCACACCTGCCACAGAGAATGTA AACCCAGTGGGCTCTGCCACGCCGGGCCCCAAAGTGACCAGACTCCAGCACACCTGTCTCTCTGCC TGGGGTGGCCATGGGGATGGAAGGGGTGGAATAAAACCTGTCAACCTGG ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre> |
| Restriction Sites:        | SgfI-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OTI Disclaimer:           | Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Components:               | The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |


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RefSeq: [NM\\_001017530.2](#)

**Summary:** This gene encodes a protein with a proline-rich domain. This gene is located in a region of chromosome 22 reported to contain a tumor suppressor gene that may be involved in breast and colorectal tumorigenesis. The protein is a component of the mammalian target of rapamycin complex 2 (mTORC2), and it regulates platelet-derived growth factor (PDGF) receptor beta expression and PDGF signaling to Akt and S6K1. Alternative splicing and the use of alternative promoters results in transcripts encoding different isoforms. Read-through transcripts from this gene into the downstream Rho GTPase activating protein 8 (ARHGAP8) gene also exist, which led to the original description of PRR5 and ARHGAP8 being a single gene. [provided by RefSeq, Nov 2010]

Locus ID: 55615

MW: 16