

## Product datasheet for **SC214937**

### **SQSTM1 (NM\_001142298) Human 3' UTR Clone**

#### **Product data:**

|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                |
| Product Name:             | SQSTM1 (NM_001142298) Human 3' UTR Clone                     |
| Symbol:                   | SQSTM1                                                       |
| Synonyms:                 | A170; DMRV; FTDALS3; NADGP; OSIL; p60; p62; p62B; PDB3; ZIP3 |
| Mammalian Cell Selection: | Neomycin                                                     |
| Vector:                   | pMirTarget (PS100062)                                        |
| ACCN:                     | NM_001142298                                                 |
| Insert Size:              | 1515 bp                                                      |



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| <b>Insert Sequence:</b>   | <p>&gt;SC214937 3'UTR clone of NM_001142298</p> <p>The sequence shown below is from the reference sequence of NM_001142298. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                           | <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAACGCGATCGCC CAGTATTCAAAGCATCCCCGCGTTGTGACCACTTTTGCCACCTCTTCTGCGTGCCCTCTTCTGTC TCATAGTTGTGTTAAGCTTGCGTAGAATTGCAGGTCTCTGTACGGGCCAGTTTCTCTGCCTTCTTCAG GATCAGGGGTTAGGGTGAAGAAGCCATTTAGGGCAGCAAAACAAGTGACATGAAGGGAGGGTCCCTGT GTGTGTGTGTGCTGATGTTTCTGGGTGCCCTGGCTCCTTGACAGAGGGCTGGGCTGCGAGACCCAAG GCTCACTGCAGCGCGCTCCTGACCCCTCCCTGCAGGGGTACGTTAGCAGCCAGCACATAGCTTGCTT AATGGCTTTCACCTTCTCTTTGTTTTAAATGACTCATAGGTCCCTGACATTTAGTTGATTATTTCTG CTACAGACCTGGTACACTCTGATTTTAGATAAAGTAAGCCTAGGTGTTGTCAGCAGGCAGGCTGGGGAG GCCAGTGTGTGGGCTTCTGCTGGGACTGAGAAGGCTCACGAAGGGCATCCGCAATGTTGGTTTCACT GAGAGCTGCCTCCTGGTCTCTTACCACCTGTAGTTCTCTCATTTCCAAACCATCAGCTGCTTTAAAT AAGATCTCTTTGTAGCCATCCTGTTAAATTTGTAACAATCTAATTAAATGGCATCAGCACTTTAACCA ATGACGTTTGCATAGAGAGAAATGATTGACAGTAAGTTTATTGTTAATGGTTCTTACAGAGTATCTTTA AAAGTGCCTTAGGGGAACCCTGTCCCTCCTAACAGTGTATCTCGATTAAACCTGCCAGTCCCAGAT CACACATCATCATCGAAGTCTTCCCCAGTTATAAAGAGGTCACATAGTCGTGTGGTTCGAGGATTCTGT GCCTCCAGGACCAGGGGCCCCACCTCTGCCCAGGGAGTCTTGCGTCCCATGAGGTCTTCCCGCAAGGC CTCTCAGACCCAGATGTGACGGGGTGTGTGGCCGAGGAAGCTGGACAGCGGCAGTGGGCTGCTGAGG CCTTCTCTTGAGGCCTGTGCTCTGGGGTCCCTTGCTTAGCCTGTGCTGGACAGCTGGCCTGGGGTCC CTCTGAAGAGACCTTGGCTGCTCACTGTCCACATGTGAACCTTTTCTAGGTGGCAGGACAAATTGCGCC CATTTAGAGGATGTGGCTGTAACCTGCTGGATGGGACTCCATAGCTCCTTCCCAGACCCCTCAGCTCC CCGGCACTGCAGTCTGCAGAGTTCTCCTGGAGGCAGGGGCTGCTGCCTTGTTCACCTTCCATGTCAGG CCAGCCTGTCCCTGAAAGAGAAGATGGCCATGCCCTCCATGTGTAAGAACAATGCCAGGGCCAGGAGG ACCGCCTGCCCTGCCTGGGCTTGGCTGGGCTCTGGTTCTGACACTTTCTGCTGGAAGCTGTCAGGCT GGGACAGGCTTTGATTTTGAAGGTTAGCAAGACAAAGCAAATAAATGCCTTCCACCTCACCGCAA ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre> |
| <b>Restriction Sites:</b> | Sgfl-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>OTI Disclaimer:</b>    | <p>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).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Components:</b>        | <p>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.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq:</b>            | <u>NM_001142298.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| Summary:  | This gene encodes a multifunctional protein that binds ubiquitin and regulates activation of the nuclear factor kappa-B (NF- $\kappa$ B) signaling pathway. The protein functions as a scaffolding/adaptor protein in concert with TNF receptor-associated factor 6 to mediate activation of NF- $\kappa$ B in response to upstream signals. Alternatively spliced transcript variants encoding either the same or different isoforms have been identified for this gene. Mutations in this gene result in sporadic and familial Paget disease of bone. [provided by RefSeq, Mar 2009] |
| Locus ID: | 8878                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:       | 54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |