

## Product datasheet for RN200237

### Sqstm1 (NM\_175843) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sqstm1 (NM_175843) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sqstm1
Synonyms:	Osi; ZIP; ZIP3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200237 representing NM_175843 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCTTCGCTCACGGTGAAGGCCTATCTACTGGCAAGGAGGAGGCGGCCCGGAGATCCGCCGCTTCA  
GCTTCTGCTTCAGCCCGAGCCGGAGGCGGAAGCCGCGGCTGGCCCGGGCCCTGCGAGAGGCTGCTGAG  
CCGGGTGGCTGTGCTGTTCCCGCGCTGCGGCCCTGGAGGCTTTCAGGCGCACTACCGCGATGAGGATGGG  
GACTTGGTCGCCTTCTCCAGTGATGAGGAAGTGAATGGCCATGTCCTATGTGAAAGATGACATCTTCC  
GCATCTACATTAAGAGAAGAAGGAGTGCCGGCGGAACATCGCCCCCATGTGCTCAGGAGGCACGAAG  
CATGGTGACCCCAACGTGATTTGTGATGGTTGCAATGGGCTGTGGTGGGAACCTCGCTATAAGTGCACT  
GTGTGCCCGACTACGACCTGTGCAGCGTCTGCGAGGGGAAGGGCCTGCACAGGGAGCACAGCAAGCTCA  
TCTTTCCCAACCCCTTTGGCCACCTCTCTGATAGCTTCTCTCATAGCCGCTGGCTTCGGAAGCTGAAACA  
TGGGCACTTTGGCTGGCCTGGCTGGGAGATGGGCCACCAGGGAAGTGGAGCCACGTCTCCTCGCGCA  
GGGGATGGTCGCCCTTGCCACAGCTGAGTCGGCTTCTGCTCCATCAGAGGATCCCAATGTCAATTTCC  
TGAAGAATGTGGGGAGAGCGTGGCAGCTGCCCTCAGCCCTCAGGCATCGAGGTTGACATTGATGTGGA  
ACATGGAGGGAAGAGAAGCCGCTGACACCCACCTCTGCAGAAAGTTCCAGCACAGGCACAGAAGATAAG  
AGTGGTACTCAGCCAAGCAGCTGCTCTTCGGAAGTCAGCAAACCTGACGGGGCCGGGAGGGCCCTGCTC  
AGTCTCTGACAGAGCAGATGAAGAAGATAGCCTTGGAGTCGGTGGGACAGCCAGAGGAACTGATGGAGTC  
GGATAACTGCTCAGGAGGGGATGACGACTGGACGCATTTGCTTCTAAAGAAGTGGACCCATCCACAGGT  
GAACTCCAGTCTCTACAGATGCCAGAATCGGAAGGGCCAAGCTCTCTAGACCCCTCACAGGAAGGCCCA  
CAGGGCTGAAGGAAGCTGCCCTGTACCCACATCTCCACCAGAGGCTGATCCCGGCTGATTGAGTCACT  
CTCTCAGATGCTCCATGGGTTTCTCGGATGAAGCGGCTGGCTCACCAGGCTCCTACAGACCAAGAAT  
TATGACATCGGGGCTGCTCTGGACAGATCCAGTATTCAAAGCACCTCCACCATTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_175843
<b>Insert Size:</b>	1320 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>	<u><a href="#">NM_175843.4</a></u> , <u><a href="#">NP_787037.2</a></u>
<b>RefSeq Size:</b>	2076 bp
<b>RefSeq ORF:</b>	1320 bp
<b>Locus ID:</b>	113894
<b>UniProt ID:</b>	<u><a href="#">O08623</a></u>
<b>Cytogenetics:</b>	10q22
<b>Gene Summary:</b>	<p>interacts with PKC-zeta and GABA(C) receptors to form ternary postsynaptic complex in the retina [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>