

## Product datasheet for **SC110284**

### **POMZP3 (NM\_012230) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids

**Tag:** Tag Free

**Symbol:** POMZP3

**Synonyms:** POM-ZP3

**Mammalian Cell** None

**Selection:**

**Vector:** pCMV6-XL5

**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF within SC110284 sequence for NM\_012230 edited (data generated by NextGen Sequencing)

```
ATGGTGTGTAGCCAGTGACTCTGAGGATCGCCCTCCTGACAGAAGATTTTCGCGTTCT
GCGATACCAGAGCAGATAATCAGCTCAACTGTCTCACCATCAAGTAATGCCCCAGAC
CCATGTGCAAAGGAGACTGTACTGAGTGCCCTCAAAGAGAAGAAGAAAAGGACAGTG
GAGGAAGAAGACCAAATATTCCTTGATGGCCAGGAAAAATAAAGAAGCTGTCTTGTGAC
GGTCTCACTGATGCCTTCTGCATTCAAAGTTCCTCGACCCGGCCAGATACACTCCAG
TTCACAGTGGATGTCTTCCACTTTGCTAATGACTCCAGAAACATGATATACATCACCTGC
CACCTGAAGGTCACCCTAGCTGAGCAGGACCCAGATGAACTCAACAAGGCTGTTCCCTC
AGCAAAGCCTTCCAACAGCTGGTCCAGTGGAAGGCCGCTGGCTGACATCTGTCAATGCTGT
AACAAAGGTGACTGTGGCACTCCAAGCCATTCCAGGAGGCAGCCTCGTGTGCTGAGCCAG
TGGTCCACGTCTGCTTCCNGTAA
```

Clone variation with respect to NM\_012230.3  
560 t=>n



**5' Read Nucleotide**

>OriGene 5' read for NM\_012230 unedited  
 TAATACGACTCACTATAGGGCGCCGCGAATTCGGCACGAGGGGCGACTCACTGTTTCGT  
 TCGCCTCCGGCCAAGTCGACAGCCAACGGAACCTCCTAGAGCCGCGGACCCTGCTCGAA  
 GGACCTGACCTGCGCAACTGCTCCTCATGGGCAGTTACCTGGCAAGCCCGGGCCGCG  
 CAGCCCGCCCCGCTCCGGAGGGCCAGGACCTGCGGAATAGGCCTGGCCGCCGCCACCC  
 GCCCGCCGGCGCCGCTCCACACCGCCCTCCCGCCGACCCATCGCGTTCAACACTTT  
 TACCCCTCTCTCCCACCTCCTCTTCTCGACCCCTCCGGGAGGCCTTCCCACGGGATCGT  
 GGGACTTTACCAGATCGGTTTGTAAACACCTCAAAGACGCTATCCGATCCATCAGGCC  
 CAGTATTCCTGTCTGGGGTACTTCCACAGTGTGCTGGAATGGTTATCACAAGAAGGCT  
 GTGTCTGCCCTCGCAACTCCAGGATGGTGTAGCCAGTACTCTGAGGATCGCCCT  
 CCTGACAGAAGATTTTCGCGTTCTGCGATACCAGAGCAGATAATCAGCTCAACACTGTCC  
 TCACCATCAAGTAATGCCCGACACCATGTGCAAAGGAGACTGTACTGAGTGCCCTCAA  
 GAGAAGAAGAAGATATGACAGTGGAGGAAAGAGACCATATATCCCTGATGGGCAGGAAAA  
 TAAAGAAGCTGTCTTGTGACGGTCTCACTGATGCCTTTCTGCATTCAAGTTCTCGAC  
 CGGGCCAGAACACTCCAGTTACAGGGGATGCCTCCACTTGCTATGACTCAGAACTGAT  
 TACCTCACTGGCACCGAAGTCCCTACCTGACAGACCCAGTGACCCACAAGCCTGTTCTC  
 AGCAGGCTCCAAGGTGGTCCAAGGGAGGCCGT

**3' Read Nucleotide**

>OriGene 3' read for NM\_012230 unedited  
 GGGCGGGGGGAACAACCACAACCTTTCNNCANNNGNNTTCTGTGNNACCGCGCCGCA  
 TTTTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATTGCTTCTTTTA  
 TTCGGAAGCAGACACAGGTTGGGGAGGAGTGCACACCTCCTGGTGAGAACCAGGATAA  
 CAGCAGTCAGAGTCAGGGACACCACACAGCCAGGCCTACGCCAGCAGCACCCTGAGG  
 TGTCAAAGGCAAAGCCACTGCTCTACTTCATGGTCACTCCTGTCCAGGAAGATCA  
 GTGGCCCCACGGTGACATCTGCTTCTTGTGCACATGCCTGCGGTTACGGGAAGCAAAC  
 GTGGACCACTGGCTCACGACACGAGGCTGCCTCCTGGAATGGCTTGGAGTGCCACAGTCA  
 CCTTTGTTACAGCATTGACAGATGTCAGCCGGGCCTTCCACTGGGAACCAGCTGTTGGAA  
 GGCTTGCTGAAGGAACAGGCCTTGTGAGTTCATCTGGGCTCCTGCTCAGTAGGGTGACC  
 TTCAGGTGGCAGGTGATGATATCATGTTTCTGGAGTCATTAGCAAAGTGGAAAGACATCC  
 ACTGTGAAGTGGAGTGTATCTGGCCGGGTCGAGGAACCTTGAATGCAGAAGAGGCATCA  
 GTGAGACCGTCGACAAGACAGCTTCTTTTATTTNCTGCCCATCAGGGATATTTGNNCTT  
 CTCTCCACTGGCCTTTTCTTCTTCTTCTTTGAGGGACTCAGTACAGTCTCCTTTG  
 CCATGGGTCTGGGCATTACTTGATGGTGAGGACAGTGTGAACTGATTATCTGCTCTGG  
 TATCGCAGAACCGAAAAATTTCTGTGAGGAGGGGATCCTCCAAATCACTGGGCTAC  
 ACACCATCCTGGATTGGGAAGGGAACCCANCCTTCTGTGATACCATTCCAGCCACTTG  
 GGAATCN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_012230

**Insert Size:**

1340 bp

**OTI Disclaimer:**

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).

**Components:**

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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_012230.2, NP_036362.2</u>
<b>RefSeq Size:</b>	1493 bp
<b>RefSeq ORF:</b>	633 bp
<b>Locus ID:</b>	22932
<b>UniProt ID:</b>	<u>Q6PJE2</u>
<b>Cytogenetics:</b>	7q11.23
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene appears to have resulted from a fusion of DNA sequences derived from 2 distinct loci, specifically through the duplication of two internal exons from the POM121 gene and four 3' exons from the ZP3 gene. The 5' end of this gene is similar to the 5' coding region of the POM121 gene which encodes an integral nuclear pore membrane protein. However, the protein encoded by this gene lacks the nuclear pore localization motif. The 3' end of this gene is similar to the last 4 exons of the zona pellucida glycoprotein 3 (ZP3) gene and the encoded protein retains one zona pellucida domain. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>