

## Product datasheet for **MC216561**

### Zmpste24 (NM\_172700) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zmpste24 (NM_172700) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zmpste24
Synonyms:	A530043O15Rik; D030046F19; Face-1; FACE1; MADB; STE24; Ste24p
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216561 representing NM\_172700  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGATGTGGGCATCGGTGGACGCTATGTGGGACTTCCTGCGGAGAAGCGAATCTTCGGGGCGGTGT  
 TGCTCTTTTCTGGACGGTGTATCTTTGGGAGACCTTCCTAGCACAGCGGCAGAGAAGGATATACAAAAC  
 GACGACTCGCGTACCAGCAGAGTTAGAACAGATCATGGATTCCGGACACGTTTGAGAAATCTCGATTGTAT  
 CAACTGGATAAAAAGTACCTTCAGCTTCTGGTCAGGACTCTACTCAGAGGTGGAAGGCACCTTTATTCTTC  
 TCTTTGGAGGAATCCCTTACCTTGGAGACTTTCTGGGAGTTCTGTAGTTCTGTGGCTTTGGACCAGA  
 ATACGAGATCATTAGTCATTGGTGTCTCTGCTGTGGCCACACTCTCAGTGCAGTACTGGCTTGCC  
 TGGAGTCTGTACAATACTTTTGAATAGAAGAAAAGCATGGCTTCAATCACCAGACTTTGGAGTTTTTTA  
 TGAAGATGCAATCAAAAAATTTATTGTGACTCAATGTATTTTATGCCTGTGTCTGCCCTTCTGCTTTA  
 CATTATTAATAATGGAGGTGACTACTTTTTTATATATGCCTGGCTGTTACATTAGTTGTTTCTCTGGTT  
 CTTGTCACCATTTATGCTGACTATATTGCCCTCTGTTTGACAAATTCACACCTTACCGGAGGAAAGC  
 TTAAGCAGGAAATGAAGTGATGGCAAAGAGTATTGACTTCCCTTTGACTAAGGTGTATGTTGTTGAAGG  
 ATCTAAGCGTTCCCTCCACAGCAATGCTTACTTTTATGGCTTCTTCAAGAACAAGAGAATAGTTTTGTTT  
 GACTCTACTAGAAGAGTACTCTGTACCAACAAGACAACCAGGAGGAGTCTGGCATGGAAGCCCGCA  
 ATGAAGGTGAAGGGGACAGTGAAGAAGTAAAAGCTAAAGTGAAAAATAGAAACAAGGTTGTAATAATGA  
 GGAGGTACTGGCTGTGCTTGGCCATGAAGTGGGACACTGGAAGTTGGGACACACAGTAAAAAATATCATT  
 ATTAGTCAGATGAATCTTTCTGTGTTTTTCTGTTTGCTGTATTAATTGGTGAAGGGAACCTTTTTG  
 CCGCTTTGGTTTTTATGACAGCAACCACACTGATCGGACTCTGATCATCTTTTATTTTCTC  
 ACCTTACAATGAGGTTCTGTCTTTCTGCCTAACAGTCTGAGCCGAGATTTGAATTTCAAGCTGATGCG  
 TTTGCCAAGAACTTGGGAAGGCTAAAGACTTATATTCTGCTTTGATCAAGCTGAACAAAGATAACCTGG  
 GATTCCCGGTTTCTGACTGGTTGTTTTCAACATGGCACTATTCACACCCTCCGCTTCTAGAGAGGCTTCA  
 GGCTCTGAAAAATGCAAAACAAGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_172700

**Insert Size:** 1428 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM\\_172700.2](#), [NP\\_766288.1](#)  
RefSeq Size: 3430 bp  
RefSeq ORF: 1428 bp  
Locus ID: 230709  
UniProt ID: [Q80W54](#)  
Cytogenetics: 4 D2.2  
Gene Summary: Proteolytically removes the C-terminal three residues of farnesylated proteins. Acts on lamin A/C.[UniProtKB/Swiss-Prot Function]