

## Product datasheet for **MC209663**

### Zfand5 (NM\_009551) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zfand5 (NM\_009551) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Zfand5  
**Synonyms:** 2310057A04Rik; 5830475F03Rik; AA415485; Za20d2; Zfp216  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209663 representing NM\_009551  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCTCAGGAGACTAACCAGACCCAGGGCCCATGCTGTGTAGTACAGGATGTGGCTTTTATGGGAATC  
CTAGGACAAATGGAATGTGTTCTGTTTGTCTACAAAGAACATCTTCAGAGACAGCAGAATAGTGCCAGAAT  
GAGCCCAATGGGGACAGCTAGTGGTTCCAACAGTCTACCTCAGATTCTGCATCTGTACAGAGAGCAGAT  
GCTGGTTTAAACAACGTGAAGGTGCTGCTGGCAGCACATCTGAAAAATCAAGAAATGTGCCTGTGGCTG  
CCTTGCCGTAACTCAACAAATGACAGAAATGAGCATTTCAGAGAGGACAAAATAACTACCCCGAAAAC  
AGAGGTGTGAGAGCCAGTTGTCACTCAGCCAGTCCATCAGTTTCTCAGCCAGTTCTTCTCAAAGTGAA  
GAAAAAGCTCCTGAGTTGCCAAACCAAGAAGAACAGATGTTTTATGTGTAGAAAGAAAGTTGGCCTTA  
CAGGGTTTGACTGCCGATGTGGAATTTGTTTGTGGACTTCACCGTTACTCTGACAAGCACAACGTCC  
ATATGATTACAAAGCAGAAGCTGCAGCAAAAATCAGAAAAGAAAATCCAGTTGTTGTGGCTGAAAAATC  
CAGAGAAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_009551  
**Insert Size:** 642 bp



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<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>	<a href="#">NM_009551.5</a> , <a href="#">NP_033577.1</a>
<b>RefSeq Size:</b>	7385 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	22682
<b>UniProt ID:</b>	<a href="#">O88878</a>
<b>Cytogenetics:</b>	19 14.32 cM
<b>Gene Summary:</b>	Involved in protein degradation via the ubiquitin-proteasome system. May act by anchoring ubiquitinated proteins to the proteasome. Plays a role in ubiquitin-mediated protein degradation during muscle atrophy. Plays a role in the regulation of NF-kappa-B activation and apoptosis. Inhibits NF-kappa-B activation triggered by overexpression of RIPK1 and TRAF6 but not of RELA. Inhibits also tumor necrosis factor (TNF), IL-1 and TLR4-induced NF-kappa-B activation in a dose-dependent manner. Overexpression sensitizes cells to TNF-induced apoptosis. Is a potent inhibitory factor for osteoclast differentiation.[UniProtKB/Swiss-Prot Function]