

Product datasheet for **MC205484**

Zfand1 (NM_025512) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Zfand1
Synonyms:	2310008M20Rik; AW048890
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC089494
 CTTGCGGCGGTGGAAGATGGCGGAGTTGGACATTGGGCAGCACTGCCAGGTGCAGCACTGCCGGCAGCG
 AGATTTTCTTCCATTTGTGTGTGATGGTTTTCAGGAATATTTTGCCTTGAACACAGAAGCAAGGACTCT
 CATGGTTGTTCTGAGGTGAATGTAGTCAAGGAGAGACCAAAGACAGATGAACACAAATCTTACTCATGCT
 CTTTCAAGGGCTGCACTGACGTAGAGCTTGTGGCAGTGATCTGTCCTTACTGTGAGAAGAACTTTTGCCT
 GAGACACCGTCATCAGTCGGATCATGACTGTGAAAAGCTGGAAGTCGAAAGCCTCGAATGGCTGCCACA
 CAGAAACTTGTGAGAGACATTGTCGATGCCAAGACAGGAGGGGCAGCAAGTAAGGGACGGAAGGCGCAA
 AAAGTAGCGGAACAGCGCGAAGGTGGCGCTGATGAAGCTAAAGATGCACGCTGATGGGGATAAGTCCCT
 GCCGCAGACAGAAAGAACATACTTCCAGGTCTACTTGCCAAAGGGGAGCAAGGAAAAAGCAAAGCCATG
 TTCTTTTGCCTGCGGTGGAGCATCGGAAGGTTGTGGACTTTGCAGCTTCTCTCGTAATCTCAGGAATG
 AAAACAACAAGCTGACAGCGAAGAAGCTGAGGCTGTGTCATGTCCCTTCAGGAGAAGCCCTGCCATTGGA
 TCACACATTGGAAGGTGGATCACGAAGGAGGAGTGCCCTTTATATAATGGAGGAAATGTTATCTTGAA
 TATCTTAACGATGAAGAACAGTTTTTAAAAATGTTGACTCTTACTTGAATAGTCATTCAAGGATTCAA
 GCCAGCAGAATCCTTATAAGCAGAAACCACTATCAGTAGACAGTCAGCTTTGTTGTGTTTGTGTTTGTG
 TTTTACTACAGATACTTTTTTAAACTCTCAAAGTTGCTGTCTTAGAATTTATTTCCATTAGGTCCTAAT
 TTACACCAGTAGTTTTCTACTAGTTCCATGTTGGTGTTAATTATGTGTTGACAATTAAGTGGCGAAGTA
 TTTTATTAGCTGTTTCTGGGTAGGCTGTAGAAATATCAGCAAAAGTGTCTTCTCGGTAGACTAATGGC
 AGCCATTGACTGGCTGCTGTGCACAGCCTGTACTGCCTTCCCTCCGAGATCCCGCTCACACAACACCCA
 CCTTTTTGTGATTTTGCCATTCTACGGCAGAGGAAGCTGCAGATGGCAGACTCTTTGGAGGGGTCTGTA
 AGTGGTACTTACCAATATTATTTAAAGGAAGTCCTATGATTAACCTCATATTATGTCCAGAATACATAG
 CCTTACTGGATACCTAATCATGACGCATGAATTGCAGACTCTTGAGATCCTCTATTCACTCTCCAG
 GATAAGGTGTGTGATAAGACACCACATACCTAAGAAGGGAACGTAATTTTTTGGTATCATGTAATTGCA
 CTGGATATGTTTCTGGTAAGGAGTTTTCTCTAGTAGGATTCAACTTTTTGTGTGTGAATGTATTACAA
 ATGAGAACTTCACTCGAATAAACTGATTTTGTACAGTCTATGCTTCTGTAAACAAAGTGAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI



ACCN:	NM_025512
Insert Size:	807 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC089494 , AAH89494
RefSeq Size:	1627 bp
RefSeq ORF:	807 bp
Locus ID:	66361
UniProt ID:	Q8BFR6
Cytogenetics:	3 A1
Gene Summary:	Plays a role in the regulation of cytoplasmic stress granules (SGs) turnover. SGs are dynamic and transient cytoplasmic ribonucleoprotein assemblies important for cellular protein homeostasis when protein production is suspended after acute exogenous stress. Associates with SGs and is involved in the efficient and specific arsenite-induced clearance process of SGs through the recruitment of the ubiquitin-selective ATPase VCP and the 26S proteasome. This process requires both complexes for efficient degradation of damaged ubiquitinated SG proteins during recovery from arsenite stress, and hence avoiding aberrant cytoplasmic SGs degradation via autophagy.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).