

## Product datasheet for **MC220136**

### Zfp457 (NM\_001003666) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp457 (NM_001003666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zfp457
Synonyms:	Rscan-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220136 representing NM\_001003666  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAGGATATGTTGTCATTCTGGGATGTGGCAATATATTTCTCTGCAGAGGAGTGGATTGCCAAGGTC  
 CTGCTCAGTGGGATCTGTACAGGGATGTGACATTGGAGAATTACAGCAACCTTGTGTTCTGGGCTTTGC  
 TTCTTCTAAGCCATACCTGGTCACATTTCTGGAACAAATACAAGAGCCTTCAGATGTGAAGAGACAAGCG  
 GCCATCACTGTGCACCCAGGGGAAAAATGCTATACATGCAAAGAAATGTGGCAAAGGCTTTGAACATAAAA  
 AAGTATATCAGAATCACTGGAGAATTCATTTAAGAGTGAAGTCTACAAGTGTGAAGAAATGTGGCAAGTC  
 CTTCCATTTTCCATCGTTACTTTCTGCACACAAAAAGAAAGCATACAGGAGAAAACTCTACAGTTCTGAA  
 GATAGTGGCAAGGACTTCCATTGTCCATCATTACTTTCTCAAACAAGATTGTTCCATACAGAAGAAAAAC  
 CTTACAAATGTGAAGACTGTGGCAAGGCTTCCATTATCCATCAAGACTTCTGACCACAAGAAAAATTC  
 TACAGGAGAGAAGCCACACAAGTGTGAAATATGTGGCAAGGCCTTTGATTATCCATCAAGACTTTCCAAC  
 CATAAGAGAATTCATACAGGAGAGAAACCTACAATGTGAATTATGTGACAAAACCTTCCATGATCCAT  
 CAAAACTTTCTCAACACAAAATAATTCATACAGGAGAAAAAGCCCTACAATGTGAAGTTTGTGGCAAGAC  
 CTTCCATTACCCATCCATACTTTCTAAACATAAAAATAATTCATACAGGAGAAAAAGCCCTACAATGTGAA  
 GTTTGTGGCAAGACCTTCCATTACCCATCCATACTTTCTAAACATAAAAATAATTCATACAAAAGAGAATC  
 TCTGCAAGTGTGATATATGTGGCAAGGCCTTCCATTATCCATTACTTTCTCAACACAAAATTGTTCA  
 TACAGGAAAAAACCCCTACAATGTGAAAACGCGATAAGTCTTCCATTATCCATCAAAACTTTCCAGA  
 CATAAGAAAACTCACACAGGAGAAAAACCATAACAAGTGAAGTATGTGGCAAGGATTTCTATTATCCAT  
 CCAGACTTTCTAAACACAAGATAGTTCCATACAGAAGAAAAATCCCTACAAGTGTGAAGTATGTGGCAAGGC  
 TTTTCGACTATCCATCAAGACTTTCAAACCATAAAGAAAATTCATACAGAAGAGAAACCATACAAGTGTGAA  
 GTATGTGGAAAGGCCTTCTGTTTTTATCATCTTTCATAAACACAAGATAATTCACACAGGAGAGAAAC  
 CCTACAAGTGTGACATATGTGGCAAGGCCTTCGGTTCTCCATCAAGACTTTCAAAAATAGTAAACTCA  
 TACAGGAGAGAAACCCCTACAAGTGTGAAGTATGTGGCAAGGCCTTCCATTGTCCATCAATACTTTCTGTA  
 CACAAGAGAATTCATACTGGAGAAAAACCCCTACAAGTGTGAAGTATGTGGCAAGGCCTTCAATATCCCAT  
 CAAAACTTTCTCATCACAATCGAATTCATAACAAGAGAGAAACCATACAATGTGAAGTTTGTGGTAAAGGC  
 CTTCCATTACCCATCAAGACTTTCAAAACATAAGAAAATTCATACAGGAGGAATCCCTACAATGCTGAA  
 ATGTGTAGCAAGGCTTCAATTATCCATCAAGGCTTTCCGAACATAAGAACTTACTACAGAAGAGAAAC  
 CATGCAAGTGTGAAGTATGTGGAAAAGTCTTTCACTTTCTATCATTACTTACGATACATAAGAGAATTCA  
 TACTGGAGAAAAACCCCTACAAGTGTGAAATATGTGGCAAGGACTTCCATTATCCATCATTACTTTCTTTT  
 TTTTTTTTTGTTTTTTGTTTTTTTTTCTTTCCATTTTTTATTAGGTATT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001003666
- Insert Size:** 1944 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\\_001003666.2](#), [NP\\_001003666.2](#)

**RefSeq Size:** 2117 bp

**RefSeq ORF:** 1944 bp

**Locus ID:** 431706

**Cytogenetics:** 13 34.54 cM