

## Product datasheet for **MG224030**

### Zfp277 (NM\_172575) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp277 (NM_172575) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zfp277
Synonyms:	2410017E24Rik; NIRF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224030 representing NM\_172575  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCTAGTGAGGTCCAGGGCTTCTGTGGACCCCGGAGGCTGGGGTCCGCGGGTCCGCGGCC  
 GAATCGGACACACAGATCATGAAGGACATCTGGGTTCTTCCAGCTTCTGGCTACTATAAATAAGGCTGC  
 TATGAACATAGTGAGCATGTGCTCTTCTTACCAGTTGGAACATCTTCTGGATATATTGCAGCATCTCC  
 GGTATTACTATGTCCAATTTTCTGAGGAACCGCCAGACTGATTTCCAGAGTGGTTGTACAAGCTTCAAT  
 CCCACCAACAATGGAGGAGTGTCTCTTCTCCACATCTCACCAGCATCTGCTGTACCTGAGTTTTT  
 GATCTTAGCCATTCTGACGGGTGTGAGGTGGAATCTCAGGATTGCTTTGATTTGCATTTCCCTGATGATT  
 AAGGATGTGAACATTTTTCTCAGGTGCTTCTCAGCCATTTGGTATTCCTCAGACAGTAAAGACTGTATCC  
 TGGAGCCGCTTTCCCTGCCAGAGAGTCCAGGTGGCACCACCGCTTGAAGGGTCTCCATCTGTGCCTTG  
 TATTTTCTGTGAAGAACATTTCCCATGGCTGAACAAGACAAACTTTTGAAGCACATGATTATCGAGCAT  
 AAGATTGTCATAGCTGATGTGAAGCTCGTTGCAGATTTCCGAAGGTACATTTTATACTGGAGGAAAAGGT  
 TCACTGAACAGCCATCACTGATTTTTGACGCGTGATAAGAATCAATCCACAGCTCCATTTGAGGAACA  
 AGACAATATTATTTGTTATGTGATGCATTACCAGAAGATAGAATCCTCAGAGAAGAGCTTCAAAAACAC  
 AAAGTAAAGAAGTTCTGGATCAGCAACAGCGAGAGCGAAATGATACAAGCTTTCATGGTGTGTGCATGT  
 TTTGCAGTGAGGAATTTCCGCGAAAACAGATCTGTACTGTTGAACCACATGGCCAGAGAACATGCTTTCAA  
 CATTGGTTTCCAGACAACATTTGAAATTCGCGTGAATTCCTATGCACATTGCAAAAAGAACTGGACAAT  
 TTACAGTGTGTTACTGTGAGAAGACCTTCAGAGACAAAAACCCCTTAAAGATCACATGAGAAAAAAGC  
 AGCATCTAGGATCAATCCAAAAACAGAGAATATGACCGATTCTATGTCATCAATTACTTGGAACTCGG  
 GAAGTCATGGGAAGAGGTGCAGTCAGAAGACGACCGGAGCTGCTGGACCTTCAGGAAGACGACTGGTCT  
 GATTGGCAGGAGTACCCAGTCTCTGCTGTGTGCTCTTTTGTGAAAAGCAAGAGGAGACAATAGATAAAC  
 TCTATGTGCACATGAAGGACACACATGAGTTTGTCTCTCAGAAATAAGTCAAGCTTGGATTAATTT  
 CTATCAGCAAGTGAAGCTGGTCAATTTTATTAGAAGGCAAGTTCACCAATGCAAGTGTACAGTTGCCAT  
 GTAAGTTCAAATCCAAAGCAGATTTAAGGACTCACATGGAAGACACTAAACACACCTCACTGCTTCTG  
 ACAGGAAGACATGGGATCAACTGGAGTATTATTTCCACCTATGAGAATGACACTCTCTGTGTACACT  
 GTCTGACAGTGAAGTACCTAACAGCTCAAGAGCAAACGAAAATGTCCCGTCATCAGTGAAGATACG  
 TCCAGACTGTGTGCTTTAAACAGAGCAGTGTCTCAACCAATTGCTACTCCAGGGTGCCTGAAAAAC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>MG224030 representing NM\_172575  
 Red=Cloning site Green=Tags(s)

MAASEVQGLPVDPREAGVRGVRGGIHTDHEHGLGSFQLLATINKAAMNIVEHVSFLPVGTSSGYIAASS  
 GITMSNFLRNRQDFQSGCTSLQSHQQWRSVPLSPHPHQHLLSPEFLILAILTGVRWNLRIALICISLMI  
 KDAEHFFRCFSAIWYSSDSKDCILEPLSLPESPGTTALEGSPSVPCIFCEEHFPMAEQDKLLKHMIEH  
 KIVIADVKLVAEFRYILYWRKRFTEQPITDFCSVIRINSTAPFEEQDNYLLCDALPEDRILREELQKH  
 KLKEVLDQQQRERNDTSFHGVMFCSEEFGRNRSVLLNHMAREHAFNIGLPDNIIVNCAEFLCTLQKKLDN  
 LQCLYCEKTFRDKNTLKDHRMKQHRRINPKREYDRFYVINYLELGSWEVQSEDDRELLDLQEDDWS  
 DWQEYPVSAVCLFCEKQEETIDKLYVHMKDTHEFDLLRIKSELGLNFYQQVKLVNFIRRVHQCKCYSCH  
 VKFKSKADLRTHMEDTKHTSLLPDRKTWDQLEYFYPTYENDTLCTLSDSESDLTAQEQTENVPVISED  
 SRLCALQSSVLNQLLLQGCLEN

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

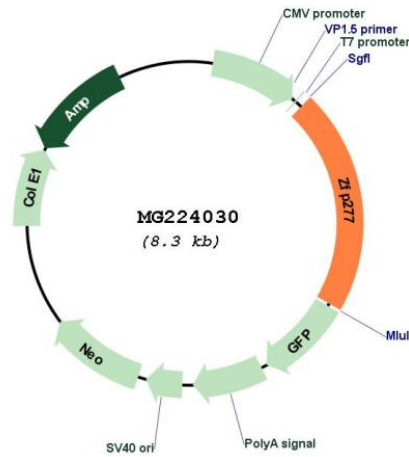
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_172575  
 ORF Size: 1749 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_172575.3</a> , <a href="#">NP_766163.2</a>
<b>RefSeq Size:</b>	2454 bp
<b>RefSeq ORF:</b>	1752 bp
<b>Locus ID:</b>	246196
<b>Cytogenetics:</b>	12 B1