

## Product datasheet for **MC219289**

### **Ikzf4 (NM\_011772) Mouse Untagged Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | Ikzf4 (NM_011772) Mouse Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | Ikzf4                                  |
| Synonyms:                 | A630026H08Rik; Eos; Zfpn1a4; Znfn1a4   |
| Mammalian Cell Selection: | Neomycin                               |
| Vector:                   | pCMV6-Entry (PS100001)                 |
| E. coli Selection:        | Kanamycin (25 ug/mL)                   |



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**Fully Sequenced ORF:** >MC219289 representing NM\_011772  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCACACACCACCCGACTCCCTCGCCGTTTCCAAGGCGGCGGCCGTTTCGCACCCAGGGTCTCACC  
 GGCAAGGGAAGGATAATCTGGAGAGGGAGCTCTCAGGAGGTGTGCTCCGGATTTCTTGCCTCAGGCCCA  
 GGACTCCAACCATTTTATAATGGAATCTTTATTTTGTGAAAGTAGCGGGGACTCATCTCTGGAGAAGGAG  
 TTCCTTGGGGCCCCAGTGGGGCCCTCGGTGAGCACCCAAACAGCCAACACTCTTACCCAGCCGCTCGC  
 TCAGTGCCAACCTCATCAAGGTGGAGATGTACAGCGATGAGGAGTCGAGCAGACTGCTGGGGCCGGATGA  
 ACGGCTCTGGATAAAGGATGACAGTGTGATTGTGGAAGACTCATTGTGAGAGCCCTTAGGCTACTGCGAT  
 GGAAGTGGGCCAGAGCCTCACTCCCTGGCGGCATCCGGTACCAACGGCAAGCTCAAGTGCAGCTCT  
 GCGGCATGGTCTGCATTGGGCCAATGTGCTCATGGTACACAAGCGCAGCCACACTGGGGAGAGGCCCTT  
 CCACTGTAATCAGTGTGGTGCCTCCTTACACAGAAGGGCAATCTGCTTCCGCACATCAAGTGCAGCTCG  
 GGGGAGAAGCCCTTCAAGTGCCTTCTGCAACTATGCCTGCCGCGGCGTGACGCACTCACTGGCCACC  
 TCCGCACACACTCAGTCTCTCCCCACCGTGGGCAAACCTACAAGTGAACACTACTGTGGCCGGAGCTA  
 CAAACAGCAAAGTACCCTGGAGGAGCACAAAGGAGGTGCCACAACACTACAGAGTCTCAGCACTGAT  
 GCCCAAGCTCTGACTGGCCAGCCAGGTGATGAAATCCGTGACCTGGAGATGGTGCCTGACTCAATGCTGC  
 ACCCATCGACTGAACGGCCAACCTTTCATTGATCGTTTGGCCAACAGCCTCACAAACGCAAGCGTCCAC  
 CCCACAGAAGTTGTAGGTGAAAAGCAGATGCGCTTACGCTCTCAGACCTTCCCTATGATGTGAATGCC  
 AGCGGTGGCTATGAAAAGGACGTAGAGTTGGTGGCACACCATGGCCTGGAGCCTGGCTTTGGAGGGTCTC  
 TAGCCTTTGTGGGTACAGAGCATCTGCGTCCCTCCGCTCCACCCCAACTGCATCTCAGAACTCAC  
 ACCTGTATCAGCTCTGTGTACACCCAAATGCAGCCATCCCCAGCCGACTGGAGCTTCCAGGGTCCCGA  
 GAAGCAGGTGAGGACCGGAGGACCTGGGAGATGGAGGTCCCCTCCTTTATCGGGCCCGAGGCTCTCTGA  
 CTGACCCTGGGGCATCCCCAGCAATGGCTGCCAGGACTCCACAGATACAGAGAGCAACCACGAAGACCG  
 GATTGGTGGGGTGGTATCCCTTCTCAGGGTCCCCACCCCAACCTCCTCCACCATAGTGGTGGGCCGG  
 CACAGTCCCGCTATGCCAAAGAGGACCCCAACCACAGGAGGGGTTACTGCGGGGCACCCAGGCCCT  
 CCAAGGAAGTCTTCGGGTGGTGGGTGAGAGTGGTGGAGCCAGTGAAGGCCTTTAAGTGTGAACACTGCCG  
 CATCCTCTTTCTGGACCAGTCTATGTTCCACATCCACATGGGCTGCCACGGCTTCCAGAGACCTTTTGAG  
 TGTAACATCTGTGTTATCACAGCCAGGATCGGTATGAGTCTCTTCCACATCGTCCGGGGGAACATA  
 AGGTGGGCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3693\\_e11.zip](https://cdn.origene.com/chromatograms/ja3693_e11.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_011772

**Insert Size:** 1761 bp

|                               |  |
|-------------------------------|--|
| <b>OTI Disclaimer:</b>        | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p> |
| <b>Components:</b>            | <p>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).</p>  |
| <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>Note:</b>                  | <p>Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.</p>  |
| <b>RefSeq:</b>                | <p><a href="#">NM_011772.2</a>, <a href="#">NP_035902.2</a></p>  |
| <b>RefSeq Size:</b>           | <p>3580 bp</p>   |
| <b>RefSeq ORF:</b>            | <p>1761 bp</p>   |
| <b>Locus ID:</b>              | <p>22781</p>   |
| <b>UniProt ID:</b>            | <p><a href="#">Q8C208</a></p>  |
| <b>Cytogenetics:</b>          | <p>10 D3</p>   |
| <b>Gene Summary:</b>          | <p>DNA-binding protein that binds to the 5'GGGAATRCC-3' Ikaros-binding sequence. Interacts with SPI1 and MITF to repress transcription of the CTSK and ACP5 promoters via recruitment of corepressors SIN3A and CTBP2. May be involved in the development of central and peripheral nervous systems. Essential for the inhibitory function of regulatory T-cells (Treg). Mediates FOXP3-mediated gene silencing in regulatory T-cells (Treg) via recruitment of corepressor CTBP1 (PubMed:19696312).[UniProtKB/Swiss-Prot Function]</p>  |