

## Product datasheet for **MR222126**

### **Ikzf2 (NM\_011770) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ikzf2 (NM_011770) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ikzf2
Synonyms:	A730095J18Rik; Helios; Zfpn1a2; Znfn1a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR222126 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAACAGACGCAATTGATGGCTATATAACATGTGACAATGAGCTTTCACCCGAAGGGGAACACGCCA  
 ATATGGCCATTGACCTCACCTCAAGCACACCCAATGGACAGCACGCCTCGCCAAGTCACATGACAAGCAC  
 AAATTCTGTAAAGCTGGAATGCAGAGTGATGAAGAGTGTGACAGGCAGCCCTGAGCCGTGAGGATGAG  
 ATCAGGGGCCACGATGAGGGGAGCAGCCTAGAAGAACCCTAATTGAGAGCAGCGAGGTGGCCGACAACA  
 GGAAAGTCCAGGACCTTCAAGGCGAGGGAGGAATCCGGCTTCCGAATGGTAAACTGAAATGTGACGTCTG  
 TGGCATGGTTTGATTGGGCCAATGTGCTTATGGTACATAAAAGGAGTCACTGGTGGAGCGCCCTTC  
 CACTGTAACCAGTGGGAGCTTCTTTACCCAGAAGGGCAACCTTCTGAGACACATAAAGTTACTCTG  
 GAGAGAAGCCCTTCAAATGTCTTCTGTAGCTATGCTTGTAGAAGAAGGGACGCTCTCACAGGACCT  
 CAGGACCCATTCTGTGGTAAACCTCACAAGTGAACACTGTGGCCGAAGCTACAAGCAGCGCAGCTCA  
 CTGGAGGAACACAAGGAACGCTGTCACAATATCTCCAGAATGTCAGCATGGAGGCTGCCGGCAGGTCA  
 TGAGTCACCATGTACCGCTATGGAAGATTGTAAGGAACAAGAGCCTATCATGGACAACAATATTTCTCT  
 GGTGCCTTTTGAGAGACCTGCTGTCATAGAGAAGCTCACGGCAAATATGGGAAAGCGCAAAGCTCCACT  
 CCTCAGAAGTTTGTGGGGAAAAGCTTATGCGATTGAGTACCCAGATATTCATTTTGATATGAACCTAA  
 CATATGAGAAGGAGGCTGAGCTGATGCAGTCTCATATGATGGACCAAGCCATCAACAATGCAATCACCTA  
 CCTTGGAGCTGAGGCCCTCACCTCTGATGCAGCATGCACCAAGCACAATCGCTGAGGTGGCCCGAGTT  
 ATAAGCTCAGCTTATTCTCAGGTCTATCATCCAACAGGATAGAAAGACCATTAGCAGGGAAACATCTG  
 ATAGTCAGAAAACAACATGGATGGCCCATCTCTCATCAGACCAAAGAGTCGACCCAGGAAAGAGAGA  
 GGCTCGCCAGCAATAGCTGCCTCGATTCTACTGACTCAGAAAGTAGCCATGATGACCCGAGTCCCTAC  
 CAAGGAAACCCTGCCTTAAATCCAAGAGGAAACAAGGCCAGCTTACATGAAGGAGGATGTCAAGGCTT  
 TGGATGTACCAAGGCCCAAGGGCTCTCTGAAGGACATCTATAAGGTTTTCAATGGAGAAGGAGAACA  
 GATAAGGGCCTTCAAGTGTGAGCACTGCCGAGTCTTTTTCTAGACCATGTCATGTACACCATTACATG  
 GGTGGCCATGGCTACCGGACCCACTGGAATGCAACATCTGTGGCTACAGAAGCCAGGACCCTACGAAT  
 TTTTCATCACACATTGTTGAGGGGAGCACACATTCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR222126 protein sequence  
 Red=Cloning site Green=Tags(s)

METDAIDGYITCDNELSPEGEHANMAIDLTSSTPNGQHASP SHMTSTNSVKLEMQSDEECDRQPLSREDE  
 IRGHDEGSSLEEPLIESSEVADNRKVQDLQEGGIRLPNGKPKCDVCGMVICGPNVLMVHKRSHTGERPF  
 HCNQCGASFTQKGNLLRHIKLSGKPFKCPFCYACRRRDALTGHLRTHSVGKPHKCNKYGRSYQRSS  
 LEEHKERCHNYLQNVSMEEAAGQVMSSHVPPMEDCKEQEPIMDNNISLVFPERPAVIEKLTANMGKRKSS  
 PQKFVGEKLMRFSYPDIHFDMNLTYEKEAELMQSHMMDQAINNAITYLGAEALHPLMQHAPSTIAEVAPV  
 ISSAYSQVYHPNRIERPISRETSDSHENNMDGPISLIRPKSRPQEREASPSNSCLDSTDSESSHDDRQSY  
 QGNPALNPKRKQSPAYMKEDVKALDATKAPKGLKDIYKVFNGEGEQIRAFKCEHCRVFLDHVVMYTIHM  
 GCHGYRDPLECNICGYRSQDRYEFSSHIVRGEHTFH

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_011770

**ORF Size:** 1581 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_011770.4](#), [NP\\_035900.2](#)
**RefSeq Size:** 9457 bp

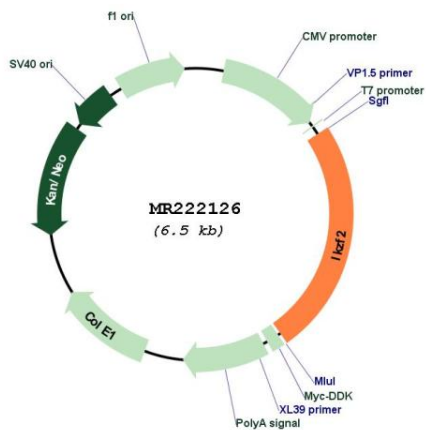
**RefSeq ORF:** 1581 bp

**Locus ID:** 22779

**UniProt ID:** [P81183](#)

Cytogenetics: 1 C3  
 MW: 59.4 kDa  
 Gene Summary: Associates with Ikaros at centromeric heterochromatin.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR222126