

Product datasheet for **MG222126**

Ikzf2 (NM_011770) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf2 (NM_011770) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ikzf2
Synonyms:	A730095J18Rik; Helios; Zfpn1a2; Znfn1a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222126 representing NM_011770
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAACAGACGCAATTGATGGCTATATAACATGTGACAATGAGCTTTCACCCGAAGGGGAACACGCCA
 ATATGGCCATTGACCTCACTCAAGCACACCCAATGGACAGCACGCCCTCGCCAAGTCACATGACAAGCAC
 AAATTCTGTAAAGCTGGAATGCAGAGTGATGAAGAGTGTGACAGGCAGCCCTGAGCCGTGAGGATGAG
 ATCAGGGGCCACGATGAGGGGAGCAGCCTAGAAGAACCCTAATTGAGAGCAGCGAGGTGGCCGACAACA
 GGAAAGTCCAGGACCTTCAAGGCGAGGGAGGAATCCGGCTTCCGAATGGTAAACTGAAATGTGACGTCTG
 TGGCATGGTTTGATTGGGCCAATGTGCTTATGGTACATAAAAGGAGTCACTGGTGGAGCGCCCTTC
 CACTGTAACCAGTGGGAGCTTCTTTACCCAGAAGGGCAACCTTCTGAGACACATAAAGTTACTACTCTG
 GAGAGAAGCCCTCAAATGTCTTCTGTAGCTATGCTTGTAGAAGAAGGGACGCTCTCACAGGACACCT
 CAGGACCCATTCTGTGGTAAACCTCACAAGTGAACACTGTGGCCGAAGCTACAAGCAGCGCAGTCA
 CTGGAGGAACACAAGGAACGCTGTCAACTATCTCCAGAATGTGAGCATGGAGGCTGCCGGCAGGTCA
 TGAGTACCATGTACCGCTATGGAAGATTGTAAGGAACAAGAGCCTATCATGGACAACAATATTTCTCT
 GGTGCCTTTTGAGAGACCTGCTGTATAGAGAAGCTCACGGCAAATATGGGAAAGCGCAAAGCTCCACT
 CCTCAGAAGTTTGTGGGGAAAAGCTTATGCGATTGAGTACCCAGATATTCATTTTGATATGAACCTAA
 CATATGAGAAGGAGGCTGAGCTGATGCAGTCTCATATGATGGACCAAGCCATCAACAATGCAATCACCTA
 CCTTGGAGCTGAGGCCCTCACCTCTGATGCAGCATGCACCAAGCACAATCGCTGAGGTGGCCCGAGTT
 ATAAGCTCAGCTTATTCTCAGGTCTATCATCCAACAGGATAGAAAGACCATTAGCAGGAAAACATCTG
 ATAGTCAGAAAACAACATGGATGGCCCATCTCTCATCAGACCAAGAGTGCACCCAGGAAAGAGA
 GGCCCTCGCCAGCAATAGCTGCCTCGATTCTACTGACTCAGAAAGTAGCCATGATGACCCGAGTCCCTAC
 CAAGGAAACCCTGCCTTAAATCCAAGAGGAAAACAAGGCCAGCTTACATGAAGGAGGATGTCAAGGCTT
 TGGATGTACCAAGGCCCAAGGGCTCTCTGAAGGACATCTATAAGGTTTTCAATGGAGAAGGAGAACA
 GATAAGGGCCTTCAAGTGTGAGCACTGCCGAGTCTTTTTCTAGACCATGTATGTACACCATTCACATG
 GGTGCCATGGCTACCGGACCCACTGGAATGCAACATCTGTGGCTACAGAAGCCAGGACCGCTACGAAT
 TTTTCATCACACATTGTTGAGGGGAGCACACATTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222126 representing NM_011770
 Red=Cloning site Green=Tags(s)

METDAIDGYITCDNELSPEGEHANMAIDLTSSTPNGQHASP SHMTSTNSVKLEMQSDEECDRQPLSREDE
 IRGHDEGSSLEEPLIESSEVADNRKVQDLQEGGIRLPNGKCLKDVCGMVICIPNVLMVHKRSHTGERPF
 HCNQCASFTQKGNLLRHIKLSGKPFKCPFCYACRRRDALTGHLRTHSVGKPHKCNYSYGRSYQRSS
 LEEHKERCHNYLQNVSMEEAAGQVMSSHVPPMEDCKEQEPIMDNNISLVFPERPAVIEKLTANMGRKSS
 PQKFVGEKLMRFSYPDIHFDMNLTYEKEAELMQSHMDQAINNAITYLGAELHPLMQHAPSTIAEVAPV
 ISSAYSQVYHPNRIERPISRETSDSHENMDGPISLIRPKSRPQEREASPSNSCLDSTDESSHDDRQSY
 QGNPALNPKRKQSPA YMKEDVKALDATKAPKGLKDIYKVFNGEGEQIRAFKCEHCRVFLFDHVMYTIHM
 GCHGYRDPLECNICGYRSQDRYEFSSHIVRGEHTFH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_011770

ORF Size: 1578 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

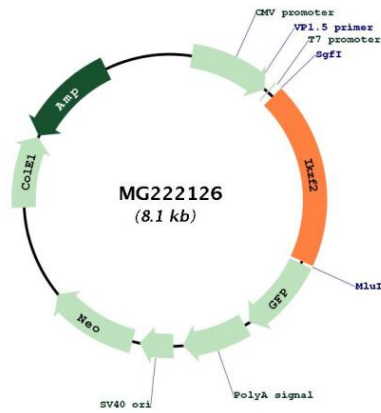
Locus ID: 22779

UniProt ID: [P81183](#)

Cytogenetics: 1 C3

Gene Summary: Associates with Ikaros at centromeric heterochromatin.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222126