

Product datasheet for **MR227516**

Ikzf1 (NM_001025597) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf1 (NM_001025597) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ikzf1
Synonyms:	5832432G11Rik; hlk-1; I; Ikaros; LyF-; LyF-1; mKIAA4227; Zfpn; Zfpn1a1; Znfn1a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR227516 representing NM_001025597
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCGATGAGGGTCAAGACATGTCCCAAGTTTCAGGAAAGGAGAGCCCCCAGTCAGTGACACTC
 CAGATGAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACCTCTGGAGCACAGCAGAACTC
 CAAGAGTGATCGAGGCATGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGGCGTGCC
 TGTGAAATGAATGGGGAAGAATGTGCAGAGGATTTACGAATGCTTGATGCCTCGGGAGAGAAAATGAATG
 GCTCCACAGGGACCAAGGCAGCTCGGCTTTGTGAGGATTTGGAGGCATTCGACTTCTAACGAAAACT
 AAAGTGTGATATCTGTGGGATCGTTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAAGAAGTCATACT
 GGTGAACGGCCTTTCCAGTGAACCAAGTGTGGGCGCTCCTTACCAGAAAGGCAACCTCCTGCGGCACA
 TCAAGTGCCTCGGGTGAAGCCCTTCAAATGCCATCTTGAACATATGCCTGCCGCCGAGGGGACGC
 CCTCACCGGCACCTGAGGACGCACTCCGTTGGTAAGCCTCACAATGTGGATATTGTGGCCGGAGCTAT
 AACACGGAAGCTCTTTAGAGGAGCATAAAGAGCGATGCCACAACCTACTTGGAAAGCATGGGCTTCCGG
 GCATGTACCCAGTCATTAAGGAAGAACTAACCACAACGAGATGGCAGAAGACCTGTGCAAGATAGGAGC
 AGAGAGTCCCTTGTCTGGACAGGCTGGCAAGCAATGTCGCAACGTAAGAGCTCTATGCCTCAGAAA
 TTTCTTGAGACAAGTGCCTGTGACAGATGCCCTATGACAGTGCCAACTATGAGAAGGAGGATATGATGA
 CATCCACGTGATGGACCAGGCCATCAACAATGCCATCAACTACCTGGGGGTGAGTCCCTGCGCCCAT
 GGTGCAGACACCCCGGTAGCTCCGAGGTGGTCCAGTCATCAGCTCCATGTACCAGTGCACAAGCCC
 CCCTCAGATGGCCCCCAGGTCCAACCATCAGCACAGGACGCGTGGATAACTGTGCTGCTGTCCA
 AGGCCAAGTCTGTGTCATCGGAGCGAGAGGCCTCCCGAGCAACAGCTGCCAAGACTCCACAGATACGA
 GAGCAACGCGGAGGAACAGCGCAGCGCCCTTATCTACCTAACCAACCACATCAACCCGCATGCACGCAAT
 GGGCTGGCTCTCAAGGAGGAGCAGCGCGCTACGAGGTGCTGAGGGCGGCTCAGAGAACTCGCAGGATG
 CCTTCCGTGTGGTCAAGCAGGAGTGGCGAGCAGCTGAAGGTGTACAAGTGCGAACACTGCCGCGTCTT
 CCTGGATCACGTATGATACCATTTACATGGGCTGCCATGGCTTTCGGGATCCCTTTGAGTGAACATG
 TGTGGTTATCACAGCCAGGACAGGTACGAGTCTCATCCCATATCACGCGGGGGAGCATCGTTACCACC
 TGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227516 representing NM_001025597
 Red=Cloning site Green=Tags(s)

MDVDEGQDMSQVSGKESPPVSDTPDEGDEPMPVPEDLSTTSGAQQNSKSDRGMASNVKVVETQSDEENGRA
 CEMNGEECAEDLRMLDASGEKMNGSHRDQSSALSGVGGIRLPNGKLCDCGIVICIPNVLMVHKRSHT
 GERPFQCNQCGASFTQKGNLLRHKLHSGEKPFCCHLCNYACRRRDALTGHLRTHSVGKPHKCGYGRSY
 KQRSSLEEHEKCHNYLESMLPGMYPVKEETNHNMAEDLCKIGAERSLVLDRLASNVAKRKSSMPQK
 FLGDKCLSDMPYDSANYEKEDMMTSHVMDQAINNAINYLGAE SLRPLVQTPPGSSEVVPVISSMYQLHKP
 PSDGPPRSNHSQAQDAVDNLLLLSKAKSVSSEREASPSNSCQDSTDTE SNAEEQRSGLIYL TNHINPHARN
 GLALKEEQRAYEVLRAAENSQDAFRVSTSGEQLKVYKCEHCRVFLDHVMTIHMGC HGRDPFECNM
 CGYHSQDRYEFSSHITRGEHRYHLS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001025597

ORF Size: 1545 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_001025597.2](#)

RefSeq Size: 5163 bp

RefSeq ORF: 1548 bp

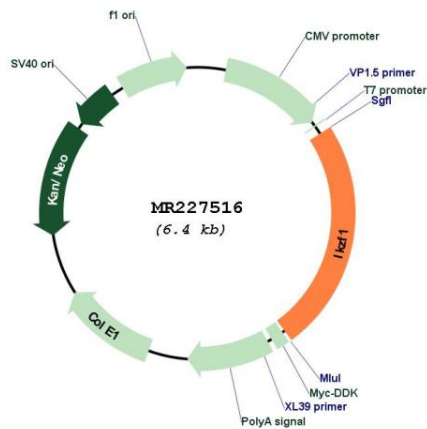
Locus ID: 22778

Cytogenetics: 11 7.02 cM

MW: 57.7 kDa

Gene Summary: The protein encoded by this gene belongs to a family of transcription factors that are characterized by a set of four DNA-binding zinc fingers at the N-terminus and two C-terminal zinc fingers involved in protein dimerization. It is regulated by both epigenetic and transcription factors. This protein is a transcriptional regulator of hematopoietic cell development and homeostasis. In addition, it is required to confer temporal competence to retinal progenitor cells during embryogenesis, demonstrating an essential function in nervous system development. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]

Product images:



Circular map for MR227516