

Product datasheet for **MC228080**

Ikzf1 (NM_001301868) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf1 (NM_001301868) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ikzf1
Synonyms:	5832432G11Rik; hlk-1; I; Ikaros; LyF-; LyF-1; mKIAA4227; Zfpn; Zfpn1a1; Zfnf1a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228080 representing NM_001301868
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCGATGAGGGTCAAGACATGTCCCAAGTTTCAGGAAAGGAGAGCCCCCAGTCAGTGACACTC
 CAGATGAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACCTCTGGAGCACAGCAGA
 CAAGAGTGATCGAGGCATGGCCAGTAATGTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGGCGTGCC
 TGTGAAATGAATGGGGAAGAATGTCAGAGGATTTACGAATGCTTGATGCCTCGGAGAGAAAATGAATG
 GCTCCACAGGGACCAAGGCAGCTCGGCTTTGTCAGGAGTTGGAGGCATTCGACTTCTAACGAAAACT
 AAAGTGTGATATCTGTGGGATCGTTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAAGAAGTCATACT
 GGTGAACGGCCTTTCCAGTGAACCAAGTGTGGGCTCCTTTACCCAGAAAGGCAACCTCCTGCGGCACA
 TCAAGTGCCTCGGGTGAAGCCCTTCAAATGCCATCTTTGCAACTATGCCTGCCGCCGAGGGACGC
 CCTCACCGCCACCTGAGGACGCACTCCGTTGGTAAGCCTCACAATGTGGATATTGTGGCCGGAGCTAT
 AACAGCGAAGCTCTTTAGAGGAGCATAAAGAGCGATGCCACAACCTACTTGGAAAGCATGGGCTTCCGG
 GCATGTACCCAGTCATTAAGGAAGAACTAACCACAACGAGATGGCAGAAGACCTGTGCAAGATAGGAGC
 AGAGAGTCCCTTGTCTGGACAGGCTGGCAAGCAATGTCGCCAAACGAGACAAGTGCCTGTGACACATG
 CCCTATGACAGTGCCAACTATGAGAAGGAGGATATGATGACATCCACCGTATGGACCAGGCCATCAACA
 ATGCCATCAACTACCTGGGGGCTGAGTCCCTGCGCCCATTTGGTGCAGACACCCCCCGGTAGCTCCGAGGT
 GGTGCCAGTATCAGTCCATGTACCAGCTGCACAAGCCCCCTCAGATGGCCCCCAGCGTCAACCAT
 TCAGCACAGGACGCCGTGGATAACTTGTGCTGTCCAAGGCAAGTCTGTGTCATCGGAGCGAGAGG
 CCTCCCCGAGCAACAGCTGCCAAGACTCCACAGATACAGAGAGCAACCGGAGGAACAGCGCAGCGCCCT
 TATCTACCTAACCAACCATCAACCCGATGCACGCAATGGGCTGGCTCTCAAGGAGGAGCAGCGCGCC
 TACGAGGTGCTGAGGGCGCCCTCAGAGAACTCGCAGGATGCCTTCCGTGGTGCAGCACGAGTGGCGAGC
 AGCTGAAGGTGTACAAGTGCGAACACTGCCGCTGCTCTTCTGGATCACGTATGTATACCATTACAT
 GGGCTGCCATGGCTTTCCGGATCCCTTTGAGTGTAAATGTGTGGTTATCACAGCCAGGACAGGTACGAG
 TTCTATCCCATATCACGCGGGGGAGCATCGTTACCACCTGAGCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001301868
- Insert Size:** 1518 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001301868.1](#), [NP_001288797.1](#)

RefSeq Size: 5421 bp

RefSeq ORF: 1518 bp

Locus ID: 22778

Cytogenetics: 11 7.02 cM

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]
Transcript Variant: This variant (6) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform d), compared to isoform a.