

Product datasheet for **MC227646**

Ikzf1 (NM_001301865) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf1 (NM_001301865) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC227646 representing NM_001301865
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCGATGAGGGTCAAGACATGTCCCAAGTTTCAGGAAAGGAGAGCCCCCAGTCAGTGACACTC
 CAGATGAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACCTCTGGAGCACAGCAGAACTC
 CAAGAGTGATCGAGGCATGGGTGAACGGCCTTTCCAGTGCAACCAGTGTGGGGCCTCCTTTACCCAGAAA
 GGCAACCTCCTGCGGCACATCAAGCTGCACTCGGGTGAGAAGCCCTTCAAATGCCATCTTTGCAACTATG
 CCTGCCGCGGAGGGACGCCCTACCGGCCACCTGAGGACGCACTCCGTTGGTAAGCCTCACAAATGTGG
 ATATTGTGGCCGGAGCTATAAACAGCGAAGCTCTTTAGAGGAGCATAAAGAGCGATGCCACAACACTTTG
 GAAAGCATGGGCCTTCCGGGCATGTACCCAGTCATTAAGGAAGAACTAACCAACGAGATGGCAGAAG
 ACCTGTGCAAGATAGGAGCAGAGAGGTCCCTTGTCTGGACAGGCTGGCAAGCAATGTCGCCAAACGTAA
 GAGCTCTATGCCCTAGAAATTTCTTGGAGACAAGTGCCTGTCAGACATGCCCTATGACAGTGCCAACTAT
 GAGAAGGAGGATATGATGACATCCACGTGATGGACCAGGCCATCAACAATGCCATCAACTACCTGGGGG
 CTGAGTCCCTGCGCCATTGGTGACAGACACCCCGGTAGCTCCGAGGTGGTGCCAGTCATCAGCTCCAT
 GTACCAGCTGCACAAGCCCCCTCAGATGGCCCCCACGGTCCAACCATTCAGCACAGGACGCCGTGGAT
 AACTTGCTGTCTGTCCAAGGCCAAGTCTGTGTATCGGAGCGAGAGGCCTCCCCGAGCAACAGCTGCC
 AAGACTCCACAGATACAGAGAGCAACGCGGAGGAACAGCGCAGCGGCCTTATCTACCTAACCAACCAT
 CAACCCGATGCACGCAATGGGCTGGCTCTCAAGGAGGAGCAGCGCGCCTACGAGGTGCTGAGGGCGGCC
 TCAGAGAACTCGCAGGATGCCTTCCGTGTGGTCAGCACGAGTGGCAGCAGCTGAAGGTGTACAAGTGGC
 AACACTGCCGCGTCTCTCCTGGATCAGTCATGTATACCATTACATGGGCTGCCATGGCTTTCCGGGA
 TCCCTTTGAGTGTAAACATGTGTGGTTATCACAGCCAGGACAGGTACGAGTTCTCATCCCATATCACGCGG
 GGGGAGCATCGTTACCACCTGAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001301865
- Insert Size:** 1287 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_001301865.1](#), [NP_001288794.1](#)

RefSeq Size: 4859 bp

RefSeq ORF: 1287 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 (4) differs in the 5' UTR and lacks an in-frame exon in the coding region compared to variant 1. It encodes isoform b, which is shorter than isoform a. Both variants 2 and 4 encode the same protein (isoform b).