

Product datasheet for **MR229857**

Ikzf1 (NM_001301865) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Ikzf1 (NM_001301865) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>MR229857 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGTCGATGAGGGTCAAGACATGTCCCAAGTTTCAGGAAAGGAGAGCCCCCAGTCAGTGACACTC
 CAGATGAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACCTCTGGAGCACAGCAGAACTC
 CAAGAGTGATCGAGGCATGGGTGAACGGCCTTTCAGTGCAACCAGTGTGGGGCCTCCTTTACCCAGAAA
 GGCAACCTCCTGCGGCACATCAAGCTGCACTCGGGTGAGAAGCCCTTCAAATGCCATCTTTGCAACTATG
 CCTGCCGCGGAGGGACGCCCTACCGGCCACCTGAGGACGCACTCCGTTGGTAAGCCTCACAAATGTGG
 ATATTGTGGCCGAGCTATAAACAGCGAAGCTCTTTAGAGGAGCATAAAGAGCGATGCCACAACACTTTG
 GAAAGCATGGGCCTTCCGGGCATGTACCCAGTCATTAAGGAAGAACTAACCAACGAGATGCCAGAAG
 ACCTGTGAAGATAGGAGCAGAGAGTCCCTTGTCTGGACAGGCTGGCAAGCAATGTCGCCAAACGTAA
 GAGCTCTATGCCAGAAAATTTCTTGGAGACAAGTGCCTGTCAGACATGCCCTATGACAGTGCCAACTAT
 GAGAAGGAGGATATGATGACATCCACGTGATGGACCAGGCCATCAACAATGCCATCAACTACCTGGGGG
 CTGAGTCCCTGCGCCATTGGTGACAGACACCCCGGTAGCTCCGAGGTGGTGCCAGTCATCAGCTCCAT
 GTACCAGCTGCACAAGCCCCCTCAGATGGCCCCCACGGTCCAACCATTCAGCAGAGGACGCCGTGGAT
 AACTTGTCTGTCTGTCCAAGGCCAAGTCTGTGTATCGGAGCGAGAGGCCTCCCCGAGCAACAGCTGCC
 AAGACTCCACAGATACAGAGAGCAACGCGGAGGAACAGCGCAGCGGCCTTATCTACCTAACCAACCAT
 CAACCCGATGCACGCAATGGGCTGGCTCTCAAGGAGGAGCAGCGCGCTACGAGGTGCTGAGGGCGGCC
 TCAGAGAACTCGCAGGATGCCTTCCGTGTGGTCAGCACGAGTGGCAGCAGCTGAAGGTGTACAAGTGCC
 AACACTGCCGCGTGTCTTCTCTGGATCAGTCATGTATACCATTACATGGGCTGCCATGGCTTTTCGGGA
 TCCCTTTGAGTGAACATGTGTGTTATCACAGCCAGGACAGGTACGAGTCTCATCCCATATCACGCGG
 GGGGAGCATCGTTACCACCTGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229857 protein sequence
 Red=Cloning site Green=Tags(s)

MDVDEGQDMSQVSGKESPPVSDTPDEGDEPMPVPEDLSTTSGAQNSKSDRGMGERPFQCNQCGASFTQK
 GNLLRHIKLHSGEKPFKCHLCNYACRRRDALTGHLRTHSVGKPHKCGYGRSYKQRSSLEEHRCHNYL
 ESMGLPGMYPVIKEETNHNMAEDLCKIGAERSLVLDRLASNVAKRKSSMPQKFLGDKCLSDMPYDSANY
 EKEDMMTSHVMDQAINNAINYLGAESLRPLVQTPPGSSEVVPVIVISSMYQLHKPPSDGPPRSNHSAQDAVD
 NLLLLSKAKSVSSEREASPSNSCQDSTDTESNAAEQRSGLIYL TNHINPHARNGLALKEEQRAYEVLRAA
 SENSQDAFRVVSTSGEQLKVYKCEHCRVLF LDHVMYTIHMGCHGFRDPFECNMCGYHSQDRYEFSSHITR
 GEHRYHLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001301865

ORF Size: 1287 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_001301865.1](#), [NP_001288794.1](#)

RefSeq Size: 4859 bp

RefSeq ORF: 1287 bp

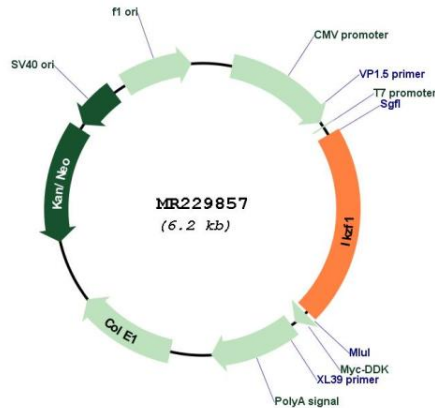
Locus ID: 22778

Cytogenetics: 11 7.02 cM

MW: 48 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 MR229857