

Product datasheet for MR229650

Ikzf1 (NM_001301866) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf1 (NM_001301866) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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
ORF Nucleotide Sequence:	>MR229650 representing NM_001301866 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATGTCGATGAGGGTCAAGACATGTCCAAGTTTCAGGAAAGGAGAGCCCCCAGTCAGTGACACTC
CAGATGAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACCTCTGGAGCACAGCAGAACTC
CAAGAGTGATCGAGGCATGGGTGAACGGCCTTTCCAGTGAACCCAGTGTGGGGCCTCCTTTACCCAGAAA
GGCAACCTCCTGCGGCACATCAAGCTGCACTCGGGTGAGAAGCCCTTCAAATGCCATCTTTGCAACTATG
CCTGCCGCGGGAGGGACGCCCTACCCGGCCACCTGAGGACGCACTCCGTCATTAAGGAAGAACTAACCA
CAACGAGATGGCAGAAGACCTGTGCAAGATAGGAGCAGAGAGGTCCCTTGTCTGGACAGGCTGGCAAGC
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CCCGAGCAACAGCTGCCAAGACTCCACAGATACAGAGAGCAACGCGGAGGAACAGCGCAGCGGCCCTTATC
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CATCCCATATCACGCGGGGGAGCATCGTTACCACCTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >MR229650 representing NM_001301866
Red=Cloning site Green=Tags(s)

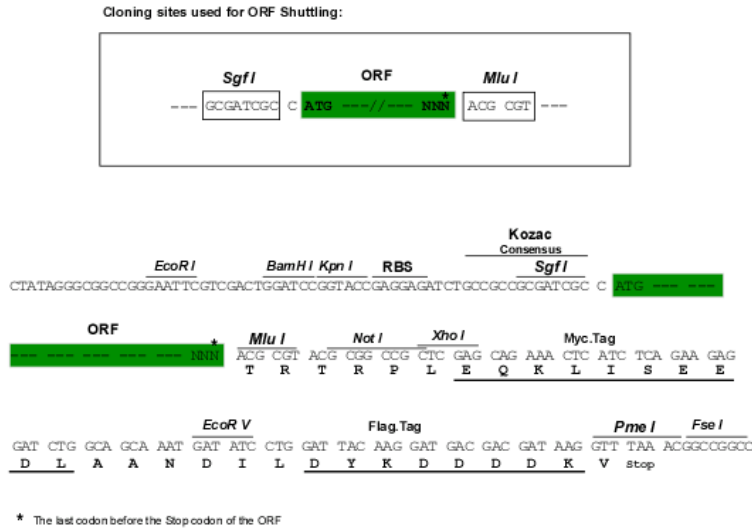
MDVDEGQDMSQVSGKESPPVSDTPDEGDEPMPVPEDLSTTSGAQNSKSDRGMGERPFQCNCQCGASFTQK
 GNLLRHIKLSHGKPKFKCHLCNYACRRRDALTGHLRTHSVIKEETNHNEMAEDLCKIGAERSLVLDRLAS
 NVAKRKSMPQKFLGDKCLSDMPYDSANYEKEDMMTSHVMDQAINNAINYLGAESLRPLVQTPPGSSEVV
 PVISSMYQLHKPPSDGPPRSNHSAQDAVDNLLLLSKAKSVSSEREASPSNSCQDSTDTESNAEEQRSGLI
 YLTNHINPHARNGLALKEEQRAYEVLRAASENSQDAFRVVSTSGEQLKVYKCEHCRVLFLDHVMYTIHMG
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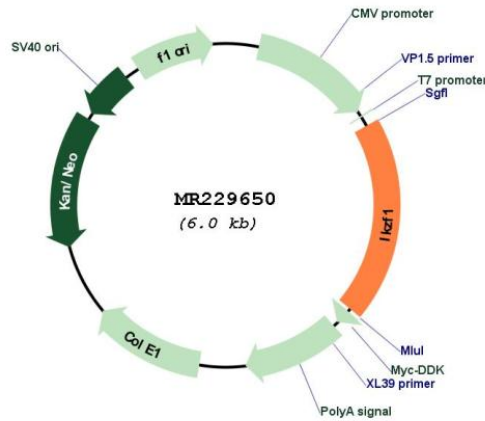
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001301866

ORF Size:	1161 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:	<ol style="list-style-type: none"> 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_001301866.1 , NP_001288795.1
RefSeq Size:	4736 bp
RefSeq ORF:	1164 bp
Locus ID:	22778
Cytogenetics:	11 7.02 cM
MW:	43.7 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]