

## Product datasheet for **MG227509**

### Ikzf1 (NM\_009578) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf1 (NM_009578) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ikzf1
Synonyms:	5832432G11Rik; hlk-1; I; Ikaros; LyF-; LyF-1; mKIAA4227; Zfpn; Zfpn1a1; Zfnf1a1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227509 representing NM_009578 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGTCGATGAGGGTCAAGACATGTCCAAGTTTCAGGAAAGGAGAGCCCCCAGTCAGTGACACTC  
CAGATGAAGGGGATGAGCCCATGCCTGTCCCTGAGGACCTGTCCACTACCTCTGGAGCACAGCAGA  
CAAGAGTGATCGAGGCATGGGTGAACGGCCTTCCAGTGAACAGTGTGGGGCCTCCTTACCCAGAAA  
GGCAACCTCCTGCGGCACATCAAGCTGCACTCGGGTGAAGCCCTTCAAATGCCATCTTGAACATATG  
CCTGCCCGGAGGGACGCCCTACCGCCACCTGAGGACGCACTCCGTTGGTAAGCCTCACAATGTGG  
ATATTGTGGCCGAGCTATAAACAGCGAAGCTCTTAGAGGAGCATAAAGAGCGATGCCACAACACTTG  
GAAAGCATGGGCCCTCCGGGCATGTACCCAGTCATTAAGGAAGAACTAACCCACAACGAGATGGCAGA  
ACCTGTGCAAGATAGGAGCAGAGAGGTCCTTGTCTGGACAGGCTGGCAAGCAATGTGCCAAAACGTAA  
GAGCTCTATGCCTCAGAAATTTCTGGAGACAAGTGCCTGTGACAGATGCCCTATGACAGTGCCAACTAT  
GAGAAGGAGGATATGATGACATCCACGTGATGGACCAGGCCATCAACAATGCCATCAACTACCTGGGG  
CTGAGTCCCTGCGCCATTGGTGCAGACACCCCGGTAGCTCCGAGGTGGTCCAGTCATCAGCTCCAT  
GTACCAGTGCACAAGCCCCCTCAGATGGCCCCACGGTCCAACCATTCAGCACAGGACGCCGTGGAT  
AACTTGCTGCTGCTCCAAGGCCAAGTCTGTGTCATCGGAGCGAGAGGCCCTCCCGAGCAACAGTGC  
AAGACTCCACAGATACAGAGAGCAACGCGGAGGAACAGCGCAGCGCCTTATCTACCTAACCAACCAT  
CAACCCGATGCACGCAATGGGCTGGCTCTCAAGGAGGAGCAGCGCCCTACGAGGTGCTGAGGGCGGCC  
TCAGAGAACTCGCAGGATGCCTTCCGTGTGGTACGACAGTGGCGAGCAGCTGAAGGTGTACAAGTGC  
AACACTGCCCGTGTCTTCCCTGGATCACGTATGTATACCATTACATGGGCTGCCATGGCTTTCGGGA  
TCCCTTTGAGTGAACATGTGTGGTTATCACAGCCAGGACAGGTACGAGTTCTATCCCATATCACGCG  
GGGAGCATCGTTACCACCTGAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG227509 representing NM\_009578  
Red=Cloning site Green=Tags(s)

MDVDEGQDMSQVSGKESPPVSDTPDEGDEPMPVPEDLSTTSGAQNSKSDRGMGERPFQCNQCGASFQK  
 GNLLRHIKLSHGEKPFKCHLCNYACRRRDALTGHLRTHSVGKPHKCGYCGRSYKQRSSLEEKCHNYL  
 ESMGLPGMYPVIKEETNHNMAEDLCKIGAERSLVLDRLASNVAKRKSSMPQKFLGDKCLSDMPYDSANY  
 EKEDMMTSHVMDQAINNAINYLGAESLRPLVQTPPGSEVVPVVISSMYQLHKPPSDGPPRSNHSAQDAVD  
 NLLLLSKAKSVSSEREASPSNSCQDSTDTESNAEEQRSGLIYLTNHNPHARNGLALKEEQRAYEVLRAA  
 SENSQDAFRVSTSGEQLKVKCEHCRVLFLDHVMYTIHMGCHGFRDPFECNMGYHSQDRYEFSSHITR  
 GEHRYHLS

TRTRPLE - GFP Tag - V

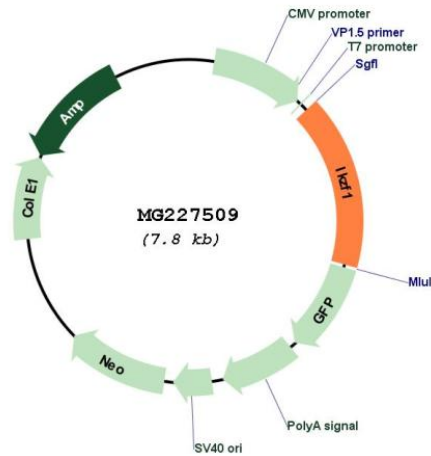
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_009578

<b>ORF Size:</b>	1284 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009578.3</a>
<b>RefSeq Size:</b>	4902 bp
<b>RefSeq ORF:</b>	1287 bp
<b>Locus ID:</b>	22778
<b>Cytogenetics:</b>	11 7.02 cM
<b>Gene Summary:</b>	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]