

Product datasheet for **RC214813**

ZNFN1A2 (IKZF2) (NM_016260) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNFN1A2 (IKZF2) (NM_016260) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNFN1A2
Synonyms:	ANF1A2; HELIOS; ZNF1A2; ZNFN1A2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC214813 representing NM_016260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAACAGAGGCTATTGATGGCTATATAACGTGTGACAATGAGCTTTCACCCGAAAGGGAGCACTCCA
 ATATGGCAATTGACCTCACCTCAAGCACACCCAATGGACAGCATGCCTCACCAAGTCACATGACAAGCAC
 AAATTCAGTAAAGCTAGAAATGCAGAGTATGAAGAGTGTGACAGGAAACCCCTGAGCCGTGAAGATGAG
 ATCAGGGGCCATGATGAGGGTAGCAGCCTAGAAGAACCCCTAATTGAGAGCAGCGAGGTGGCTGACAACA
 GGAAAGTCCAGGAGCTTCAAGGCGAGGGAGGAATCCGGCTTCGAATGGTAAACTGAAATGTGACGTCTG
 TGGCATGGTTTGATTGGGCCAATGTGCTTATGGTACATAAAAGGAGTCACTGGTGAACGCCCTTC
 CACTGTAACCAGTGTGGAGCTTCTTTACTCAGAAGGGCAACCTTCTGAGACACATAAAGTTACTCTG
 GAGAGAAGCCGTTCAAATGTCTTTCTGTAGCTACGCCTGTAGAAGAAGGGACGCCCTCACAGGACACCT
 CAGGACCCATTCTGTGGTAAACCTCACAAGTGAACACTGTGGACGAAGCTACAAGCAGCGCAGTTCA
 CTGGAGGAGCACAAAGAACGCTGCCACAACATATCCAGAATGTGACGATGGAGGCTGCTGGGCAGGTCA
 TGAGTCACCATGTACCTCCTATGGAAGATTGTAAGGAACAAGAGCCTATTATGGACAACAATATTTCTCT
 GGTGCCTTTTGAGAGACCTGCTGTATAGAGAAGCTCACGGGGAATATGGGAAAACGTAAGGCTCCACT
 CCACAAAAGTTTGTGGGGAAAAGCTCATGCGATTGAGTACCCAGATATCACTTTGATATGAACCTAA
 CATATGAGAAGGAGGCTGAGCTGATGCAGTCTCATATGATGGACCAAGCCATCAACAATGCAATCACCTA
 CCTTGGAGCTGAGGCCCTCACCTCTGATGCAGCACCCGCCAAGCACAATCGCTGAAGTGGCCCGATT
 ATAAGCTCAGCTTATTCTCAGGTCTATCATCCAATAGGATAGAAAGACCCATTAGCAGGAAAAGTCTG
 ATAGTCATGAAAACAACATGGATGGCCCATCTCTCATCAGACCAAGAGTCGACCCAGGAAAGAGA
 GGCCCTCTCCAGCAATAGCTGCCTGGATTCCACTGACTCAGAAAGCAGCCATGATGACCACAGTCTCTAC
 CAAGGACACCCTGCCTTAAATCCCAAGAGGAAAACAAGGCCAGCTTACATGAAGGAGGATGTCAAAGCTT
 TGGATACTACCAAGGCTCCTAAGGGCTCTCTGAAGGACATCTACAAGGTCTTCAATGGAGAAGGAGAACA
 GATTAGGGCCTTCAAGTGTGAGCACTGCCGAGTCTTTTCTAGACCATGTATGTACACCATTCACATG
 GGTGCCATGGCTACCGGACCCACTGGAATGCAACATCTGTGGCTACAGAAGCCAGGACCGTTATGAGT
 TTTTCATCACACATTGTTGAGGGGAGCACACATTCCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC214813 representing NM_016260
 Red=Cloning site Green=Tags(s)

METEAIDGYITCDNELSPEREHSNMAIDLTSSTPNGQHASPSHMTSTNSVKLEMQSDEECDRKPLSREDE
 IRGHDEGSSLEEPLIESSEVADNRKVQELQEGGIRLPNGKPKCDVCGMVICGPNVLMVHKRSHTERPF
 HCNQCGASFTQKGNLLRHIKLSGKPFKCPFCYACRRRDALTGHLRTHSVGKPHKCNYCGRSYQRSS
 LEEHKERCHNYLQNVSMEEAAGQVMSSHVPPMEDCKEQEPIMDNNISLVFPERPAVIEKLTGNMGKRKSS
 PQKFVGEKLMRFSYPDIHFDMNLTYEKEAELMQSHMMDQAINNAITYLGAELHPLMQHPPSTIAEVAPV
 ISSAYSQVYHPNRIERPISRETADSHENMDGPISLIRPKSRPQEREASPSNSCLDSTDESSHDDHQS
 YQGHYPALNPKRKQSPAYMKEDVKALDTTKAPKGS�KDIYKVFNGEGEQIRAFKCEHCRVFLDHVMTIHM
 GCHGYRDPLECNICGYRSQDRYEFSSHIVRGEHTFH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8065_e05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_016260

ORF Size: 1578 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_016260.3](#)

RefSeq Size: 2490 bp

RefSeq ORF: 1581 bp

Locus ID: 22807

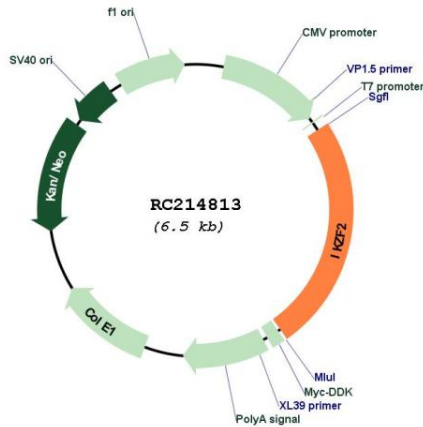
UniProt ID: [Q9UKS7](#)

Cytogenetics: 2q34

MW: 59.4 kDa

Gene Summary: This gene encodes a member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This protein forms homo- or heterodimers with other Ikaros family members, and is thought to function predominantly in early hematopoietic development. Multiple transcript variants encoding different isoforms have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC214813