

Product datasheet for **SC122329**

ZNFN1A2 (IKZF2) (BC028936) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNFN1A2 (IKZF2) (BC028936) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNFN1A2
Synonyms:	HELIOS; IKAROS family zinc finger 2 (Helios); MGC34330; zinc finger DNA binding protein Helios; zinc finger protein, subfamily 1A, 2 (Helios); ZNF1A2; ZNFN1A2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC028936 edited
 AACCTGCTCCTCGTGAAGATGGAGGAAGTAAAAACAGGATTACCCCTTAGCTACAGATC
 CACTGCCTTAGTTCCACCACCAACTGCAGTGCACAAACACACGTTAGGCACAGGAAAGA
 AAGAAAGACAGAGGACACATTAACAGTAAACACAAACAAAAGGGTGATGGGATTATTTTA
 CTGCATGCACTGCTGAGCCCGACATTGTCACCTCCTCTTTGAGGGGTTAGAAGAAGCTGA
 GATCTCCCGACAGAGCTGAAATGGTGAATCTTTTTAATCAAAGGACAATTTCTTT
 TCATTGCACTTTGACTATGGAAACAGAGGCTATTGATGGCTATATAACGTGTGACATGA
 GCTTTACCCGAAAGGGAGCACTCCAATATGGCAATTGACCTCACCTCAAGCACACCCAA
 TGGACAGCATGCCTCACCAAGTCACATGACAAGCACAAATTCAGTAAAGCTAGAAATGCA
 GAGTGATGAAGAGTGTGACAGGAAACCCCTGAGCCGTGAAGATGAGATCAGGGGCCATGA
 TGAGGGTAGCAGCCTAGAAGAACCCTAATTGAGAGCAGCGAGGTGGCTGACAACAGGAA
 AGTCCAGGAGCTCAAGGCGAGGGAGGAATCCGGCTTCCGAATGGTGAACGCCCTTCCA
 CTGTAACCAGTGTGGAGTCTTTTTACTCAGAAGGGCAACCTTCTGAGACACATAAAGTT
 AACTCTGGAGAGAAGCCGTTCAAATGTCCTTTCTGTAGCTACGCTGTAGAAGAAGGGA
 CGCCCTCACAGGACACCTCAGGACCCATTCTGTGGGTAAACCTCACAAAGTCAACTACTG
 TGGACGAAGCTACAAGCAGCGCAGTTCACTGGAGGAGCACAAGGAACGCTGCCACAATA
 TCTCCAGAATGTGACATGGAGGCTGCTGGGCAGGTCATGAGTACCATGTACCTCCTAT
 GGAAGATTGTAAGGAACAAGAGCCTATTATGGACAACAATATTTCTGTGTGCTTTTGA
 GAGACCTGCTGTATAGAGAAGCTCACGGGGAATATGGGAAAACGTAAAAGCTCCACTCC
 ACAAAGTTTGTGGGGAAAAGCTCATGCGATTGAGTACCCAGATATTTCACTTTGATAT
 GAACTTAACATATGAGAAGGAGGCTGAGCTGATGCAGTCTCATATGATGGACCAAGCCAT
 CAACAATGCAATCACCTACCTTGGAGCTGAGGCCCTTACCCTCTGATGCAGCACCCGCC
 AAGCACAAATCGTGAAGTGGCCCCAGTTATAAGCTCAGCTTATTCTCAGGTCTATCATCC
 AAATAGGATAGAAAGACCATTAGCAGGGAAACTGCTGATAGTCATGAAAACAACATGGA
 TGGCCCCATCTCTCTCATCAGACCAAAGAGTCGACCCCGAAAGAGAGGCTCTCCAG
 CAATAGCTGCCTGGATTCCACTGACTCAGAAAGCAGCCATGATGACCACCAGTCTACCA
 AGGACACCCTGCCTTAAATCCCAAGAGGAAACAAAGCCAGCTTACATGAAGGAGGATGT
 CAAAGCTTTGGATACTACCAAGGCTCCTAAGGGCTCTCTGAAGGACATCTACAAGTCTT
 CAATGGAGAAGGAGAACAGATTAGGGCCTCAAGTGTGAGCACTGCCGAGTCTTTTCT
 AGACCATGTCATGTACACCATTACATGGGTTGCCATGGCTACCCGGACCCACTGGAATG
 CAACATCTGTGGTACAGAAGCCAGGACCGTTATGAGTTTTATCACACATTGTTGAGG
 GGAGCACACATTCACCTAGGCCTTTTATTCCAAGGGGACCCCTATGAAGTAAAGAACT
 GCACATGAAGAAATACTGCACTTACAATCCACCTTTCCTCAAATGTTGACATACCTTTT
 ATTTTTTTAATATTACTGTTGATAATTCTTATTTTTGTGGAGGCAGTGCATTTGCT
 CTGCCTAATTACGATAAGGAAGAAACAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC028936 unedited
 NNNNCCCAGGTTTCNGATTTTGTATACGACTCATATAGGCGGCCGCGNATTCCTGGGNTAT
 CGTCGACCCAGCGTCCGAACCCTGCTCCTCGCTGAAGATGGAGAAGTAAAAACAGGATTA
 CCCTTAGCTACAGATCCACTGCCTTAGTTTCCACCACCAACTGCAGTGCACAAACACACG
 TTAGGCACAGGAAAGAAAGAAAGACAGAGGACACATTAACAGTAAACACAAACAAAAGGG
 TGATGGGATTATTTACTGCATGCACTGCTGAGCCCGACATTGTCACCTCCTCTTTGAGG
 GGTTAGAAGAAGCTGAGATCTCCCGACAGAGCTGGAAATGGTGAATCTTTTTAATC
 AAAGGACAATTTCTTTTATTGCACTTTGACTATGGAAACAGAGGCTATTGATGGCTATA
 TAACGTGTGACAATGAGCTTTCACCCGAAAGGGAGCACTCCAATATGGCAATTGACCTCA
 CCTCAAGCACACCCAATGGACAGCATGCCTCACCAAGTCACATGACAAGCACAAATTCAG
 TAAAGCTAGAAATGCAGAGTGTGAAGAGTGTGACAGGAAACCCCTGAGCCGTGAAGATG
 AGATCAGGGGCCATGATGAGGGTAGCAGCCTAGAAGAACCCTAATTGAGAGCAGCGAGG
 TGGCTGACAACAGGAAAGTCCAGGAGCTTCAAGGCGAGGGAGGAATCCGGCTTCCGAATG
 GTGAACGCCCTTCCACTGTNACCAGTGTGGAGCTTCTTTACTCAGAAGGGCAACCTTC
 TGAGACACATAAAGTTACACTCTGGAGAGAAGCCGTTCAATGTCTTTTCTGTAGCTAC
 GCCTGTAGAAAGAAGGACGCCCTCACAGGACACCTCANGACCCATTCTGTGGTAAACA

Restriction Sites:	Please inquire
ACCN:	BC028936
Insert Size:	2018 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).
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:	BC028936.1 , AAH28936.1
RefSeq Size:	2018 bp
Locus ID:	22807
Cytogenetics:	2q34
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]