

Product datasheet for **SC321774**

ZC3H8 (NM_032494) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC3H8 (NM_032494) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZC3H8
Synonyms:	Fliz1; ZC3HDC8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032494.1
 CTCTGTAGCTTCCCGGCTCGCGAAAGGGAGGACCTGTCTGGGTCATGGATTTTGAGAATC
 TTTTCTCAAAACCCCAACCCGGCCCTCGGCAAAACGGCCACGGACTCTGACGAAAGAA
 TCGATGATGAAATAGATACAGAAGTTGAAGAAACACAAGAAGAGAAAAATAACTGGAGT
 GCGAGCAAATCCCAAAAAATTTAGACACTCTGCAATATCACCAAAAAGTTCGCTGCATA
 GAAAATCAAGAAGTAAGGACTATGATGTATATAGTGATAATGATATCTGCAGTCAGGAAT
 CAGAAGATAATTTTGCCAAAGAGCTTCAACAGTACATACAAGCCAGAGAAATGGCAAATG
 CTGCTCAACCTGAAGAATCTACAAAGAAAGAGGAGTAAAAGATACCCACAGGCTGCTA
 AACAAAAAATAAAAAATCTTAAAGCTGGTCACAAGAATGGCAAACAGAAGAAAAATGAAGC
 GAAAAATGGCCTGGCCCTGGAAACAAAGGATCAAAATGCTTTGCTGAGGAACAGCGGCTCAC
 AGGAAGAGGACGGTAAACCTAAAGAGAAGCAGCAGCATTGAGTCAGGCATTCATCAACC
 AACATACAGTGGAAACGCAAGGGAAAAACAAATTTGTAATATTTTCTTGAAAGGAAATGTA
 TTAAGGGAGACCAGTGTAAATTTGATCATGATGCAGAGATAGAAAAGAAAAAGGAAATGT
 GTAAGTTTATGTACAAGGATATTGTACCAGAGGTGAAAAGTGTCTGATTTGCATAATG
 AATATCCTTGTAAGTTTACCATACAGGAACAAAATGTTATCAGGGAGAATACTGCAAGT
 TTTCTCATGCTCCACTGACTCCTGAAACACAAGAATTGTTGGCTAAAGTTTTGGATACTG
 AAAAGAAGTCATGTAATAAAATAGACATAAAAAGGTAGCAATGTACAGATAAAGAGTACT
 TTAACGCCATGCGTGTCAAGACTGTTCAAGACTGGTGTATTTGGAGTAGTTTACAAGAT
 TCCTCATTAGAGTGCCTCTTGTGTGACTGGGGTGTATGTCAGCTTCCATAATGGATGG
 GACAGAGAGCTGGGATCTAATGTACAAGTGAAGGGCTTGGTCTTCCCTGAGACATTCCAG
 CCATTGGAATAGGAGAGGAGCATATATGGCAGAGGTGATGGCTGGTGGGTAATGTGATA
 GTAAATGTAGAAACCTTCTGATTGATTGGATTTCTTAATAAAATCGGAAGCAAGGT
 TAGGCTGAGTGAGGGTGAAGTAAAGAGGTAGAGGAGGTTTGAGGAGAGAGAACTGCTCGGA
 AGACATTGGTAGATGGACCATAAAAACAGAGTTAGTTCTCTTTATGACATTAAATAGTTT
 TACAACATATTTTAAATGGTTCACAATTTCAATTTAGGGCTTAAAATAAATTATGTTCT
 ATGATTTTTTTAAACCAGTTTCTATTGTTAGACATTTGTTCCAGTTTCTTACTATTAT
 AAATAAAGTGAACAATATCTCTTACTATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_032494
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_032494.1 , NP_115883.1
RefSeq Size:	1595 bp
RefSeq ORF:	876 bp
Locus ID:	84524
UniProt ID:	Q8N5P1
Cytogenetics:	2q14.1
Domains:	zf-CCCH
Gene Summary:	Acts as a transcriptional repressor of the GATA3 promoter. Sequence-specific DNA-binding factor that binds to the 5'-AGGTCTC-3' sequence within the negative cis-acting element intronic regulatory region (IRR) of the GATA3 gene (By similarity). Component of the little elongation complex (LEC), a complex required to regulate small nuclear RNA (snRNA) gene transcription by RNA polymerase II and III (PubMed:23932780). Induces thymocyte apoptosis when overexpressed, which may indicate a role in regulation of thymocyte homeostasis. [UniProtKB/Swiss-Prot Function]