

Product datasheet for **SC310409**

ZNF589 (NM_016089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZNF589
Synonyms:	SZF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310409 representing NM_016089. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGGCCCGCGGGAGCAGCTACTGGGCTGGACTGCGGAAGCTCTGCCTGCCAAGGATTCTGCCTGG
CCCTGGGAAGAGAAGCCTAGATATCTGGGACCAGTGACTTTTCGAGGATGTGGCTGTGCTTTTCACTGAG
GCAGAGTGGAAAGAGACTGAGCCTTGAGCAGAGGAACCTATACAAAGAAAGTGATGCTGGAAAAATCTCAGG
AATCTGGTCTCATTGGCAGAATCAAAGCCAGAAGTCCATACCTGCCCTTCTTGCCTCTGGCCTTTGGC
AGTCAGCAGTTCTCAGCCAAGATGAGCTACACAATCATCCTATTCCAGGTTTCCATGCAGGAAATCAA
CTCCACCCAGGAAATCCCTGCCAGAGGATCAGCCACAGTCACAACATCCTTCTGATAAAAAATCACAGG
GGGGCTGAAGCAGAAGATCAACAGAGTGAAGGAGGCGTCAGACCCTTGTGTTGGAGTACAAATGAAAGG
GGGGCTTTAGTGGGTTTCTCTAGCCTGTTCCAGAGACCACCAATAAGCTCTTGGGGAGGCAACAGAATA
TTAGAGATACAGCTCAGTCCAGCCAGAATGCAAGCTCTGAGGAAGTAGACAGAATTTCAAGAGGGCA
GAAACCCAGGGTTTGGAGCAGTCACGTTTGGGGAGTGTGCACTAGCTTTTAACCAGAAGTCAAACCTG
TTCAGACAGAAGGCAGTCACAGCAGAAAAATCTTCAGACAAAAGGCAGTCACAGGTGTGCAGGGAGTGT
GGGCGAGGCTTTAGCAGGAAGTCACAGCTCATCATACACAGAGGACACACAGGAGAAAAAGCCTTAT
GTCTGCGGAGAGTGTGGCGAGGCTTTATAGTTGAGTCAGTCTCCGCAACCACTGAGTACACACTCC
GGGGAGAAACCTTATGTGTGCAGCATTGTGGCGAGGCTTTAGCTGCAAGCCATACCTCATCAGACAT
CAGAGGACACACAAAGGAGAAATCGTTTATGTGCACAGTGTGTGGCGAGGCTTTTCGTGAAAAGTCA
GAGCTCATTAAAGCACCAGAGAATTCACACGGGGATAAGCCTTATGTGTGCAGAGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_016089



Insert Size:	1095 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).
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_016089.2
RefSeq Size:	3399 bp
RefSeq ORF:	1095 bp
Locus ID:	51385
UniProt ID:	Q86UQ0
Cytogenetics:	3p21.31
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
MW:	41.2 kDa
Gene Summary:	May play a role in hematopoietic stem/progenitor cell differentiation. May play a role as a DNA binding-dependent transcriptional repressor.[UniProtKB/Swiss-Prot Function]