

Product datasheet for **SC118027**

ZNF45 (NM_003425) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF45 (NM_003425) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF45
Synonyms:	KOX5; ZNF13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC118027 sequence for NM_003425 edited (data generated by NextGen Sequencing)

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ATGACGAAGTCTAAGGAGGCAGTGACATTCAAGGACGTGGCTGTGGTCTTCTCTGAGGAG
GAGCTGCAACTGCTGGACCTTGCCAGAGGAAGCTGTACCGAGATGTGATGCTGGAGAAC
TTCAGGAATGTGGTCTCAGTGGGACATCAGTCCACACCAGATGGCCTACCACAGTTAGAG
AGAGAAGAAAAAGCTGTGGATGATGAAGATGGCAACCCAGAGAGATAACTCCTCAGGAGCC
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GAGCTTTTCTGCTCCAGATCTGGCAACAGATTACAAGAGAGTTAATCAAGTATCAAGAT
TCTGTGGTAAATATTCAAAGAACAGGCTGCCAGTTGGAACCAAGAGATGATTTGCACTAT
AAAGATGAGGGATTCAAGTAATCAGAGTTCCCATCTTCAAGTTCACAGAGTCCACACTGGT
GAAAAACCCTACAAAGGAGAACATTGTGTGAAAAGTTTCAGCTGGAGCTCTCATCTTCAA
ATTAACCAAGGGCTCACGCAGGAGAGAAGCCCTACAAATGTGAAAAATGTGATAATGCC
TTCCGTCGGTTTTCAAGTCTTCAAGCCCATCAGAGAGTCCACAGTAGAGCAAAATCATAC
ACAAATGATGCAAGTTACAGGAGTTTTAGTCAGAGGTACATCTTCCCATCATCAGAGA
GTTCCCACTGGAGAGAATCCATACAAATATGAAGAGTGTGGGAAGAATGTTGGGAAAAGC
TCACATTGTCAAGCTCCTCTGATAGTTACATACGGGAGAGAAACCTATAAATGTGAGGAG
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AAGAAACGATATAAGTGTGAAGAGTGTGGGAAGAGCTTCAGTTGGCGTTCACGACTGCAG
GCTCATGAGCGAATCCACACTGGCGAGAAACCATACAAATGCAATGCATGTGGCAAGAGC
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AGCCCACTGGAGAGAAGCCATACAAATGTGAGGAGTGTGGGAAAGGCTTCTGCCGGGCC
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TGTGGGAAGGGCTTCTGTGGGCTCCAATTTTCTGGCACATCGTGGAGTCCACACAGGA
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GCCCACAGAGGGTCCACACAGGAGAGAGACCATACAAATGTGAGGAATGTGGGAAAGTC
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AAATGTGAGGAGTGTGGGAAGGGCTTCAGTTGGAGCTCAAGTCTTATCATTATCAGCGA
GTCCATGCTGATGATGAGGGTGACAAGGACTTCCTTCATCAGAGGATTCACACAGGAAA
ACTCGATAA

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Clone variation with respect to NM_003425.3

558 t=>c;764 g=>a;895 a=>g;908 c=>g;1044 t=>c;1245 g=>a;1511 g=>a;2013 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003425 unedited
 GTTCGGGATTTGTATACGATTTCCTATAGGGCGGCCGGAATCGGCACGAGGGTCAGCCTA
 TGCAGAAGAGAATCAGAAATCATACCTGAGAGCTACAAGAACTCCATTTTCACTGTGCA
 GAGGCTCTCTGCTGAAGGGTCAAGTGAATCTGGAATCCAGCCCATGTTTCCCCATCATC
 AAGCCATGTGAAGCTGCAGACTCCAAGCAACAGAGAGACAAGATTTAGAATACTGGCTCT
 GGTATGAAAGCTGGATTCAAGTACTGTTCTGCCTCTTGACCTCACCAGCCTCAGCTTC
 CTCGCCTGTTAAATGGATACAATTGTCGTCATTATCATCTGTTGAGAAGTCCCTAAAAATG
 CCAGCTGAGCATAGGCACAGAAGTTTAGGTGTTTGGACCAAGGTACACAACTGATACAA
 CAGTAGCTTCTTACAGACTTGGCACTTCTCCAGAAGGAGGAGGACAAAATGACGAAGTC
 TAAGGAGGCAGTGACATTCAAGGACGTGGCTGTGGTCTTCTCTGAGGAGGAGCTGCAACT
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 GGTCTCAGTGGGGCATCAGTCCACACCAGATGGCTACCACAGTTAGAGAGAGAAGAAAA
 GCTGTGGATGATGAAGATGGCAACCCAGAGAGATAACTCCTCAGGAGCCAAGAATCTAAN
 AGAGATGGAGACTCTTCAAGAAGTAGGATTAAGGTACCTGCCTCATGAAAGAGCTTTCTG
 CTTCCAGATCTGGNCACAGATTACAAGAGAGTTAATCAAGTATCAAGATTCTGTGGGAAA
 TATTCCAAGACAGCCTGCCAGTTGGGAAAAACGAGAGATTGCACTATAAGATGAGGGAT
 TCAGTATT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003425 unedited
 CCGCGGCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTACTCTAA
 AATTCCATTTATATGACATTCTGGAAATGATATAAACTATACAGACAGAAAATGAGTCAG
 TTGACAAGGGCTGGTGGTGGGAAAGGAGCTGACTAAACAGAACAAGCAAGTTTCAGGGC
 AGGGGGTACTAAACTATAGACTATCTTGATTGTGATGGGGGTGTTACATAACAGCACT
 TGCCAAAATGCATGATAGAGTCAGTTTCACTGTATATAAATTATCCCTAATTAATAAAAA
 GAATGTTAGCTTATATGATTTTCATGGATGCCTTTTATCTCATTGAAGAATTTTTTCATC
 ATGAGTGGATGCTAAATTTGTCAAATGTTTTCTCTGAATCTACTGAGATGATCATACAT
 TTGATCATAAAGATCCAGATATAAGAGTACATACTAAATCCATAGGAAGCTCAGGAACAG
 ACCTAATTAATTTATGGTATAGAAATCATAAATACTTGGCACTGGAGGTGGGATTGACTGG
 AAATGGGCACAAGAAAATTTTTGGTTTAAATAGACATATTGTATACATTGATCTTGGTGA
 TGATTACATTTGTCAAATTCAGAAAGCCATGAAGTTGAGACTTGTGCATGTTACTGCAT
 GCAGATTACACCTCANTAAAGTACTGTNTAACATACAACTTCCTAGTTGCTAGCCAGAA
 ACTGATTTCTGAACCCCACTACAGCTGCACCCTCAGTTTGATAACACTTGTACAGAGATC
 TGCAAAATGGGAAATCANGCATATGACTAACTATTATCCTNCAAGCTTGCAAAATCTTCT
 GATNCAATNTANAGAACTTTANAATAATAAATGTCAATTTACTGATTTCAATTGACAGTA
 TTCAAATACTGAAATACACGTTTAGCCTGAAAGCANATNATTG

Restriction Sites:

NotI-NotI

ACCN:

NM_003425

Insert Size:

3720 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:	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:	<u>NM_003425.2, NP_003416.1</u>
RefSeq Size:	3178 bp
RefSeq ORF:	2049 bp
Locus ID:	7596
UniProt ID:	<u>Q02386</u>
Cytogenetics:	19q13.31
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]