

Product datasheet for **SC114368**

ZNF12 (NM_016265) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZNF12
Synonyms:	GIOT-3; HZF11; KOX3; ZNF325
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 SC114368 sequence for NM_016265 edited (data generated by NextGen Sequencing)

ATGAATAAATCCCTGGGGCCAGTGTCATTCAAGGACGTGGCTGTGGACTTCACCCAGGAG
GAATGGCAGCAGCTGGATCCTGAGCAGAAGATAAAGTTACAGGGATGTGATGCTGGAGAAC
TACAGCAATCTAGTTTCTNNNNGTATCACATTATCAAACCGGATGTTATCAGCAAGTTG
GAGCAAGGAGAAGGCCATGGATAGTAGAAGGAGAATTCCTACTTCAGAGCTATCCAGAT
GAAGTCTGGCAAAGTGAAGACCTAATAGAGAGAATCCAGGAAGAGGAAAAATAACCTTCA
AGGCAAAGTGTGTTCAATTGAGACCCTGATTGAAGAGAGAGGTAATGTTCTGTGAAAACT
TTTGATGTAGAAAACGAACCTGTTCTTCAAGAAAAATAGCCTATAAAAATAGCCTCTGT
GACTCATGTGAAAAGTGTTTAACTGCTGTTTCAGAAATATATTAGTAGTGATGGAAGCTAT
GCAAGAATGAAAGCTGATGAATGTAGTGGATGTGGGAAATCACTCCTCCATATTAAGCTT
GAGAAAACTCATCCAGGAGATCAAGCTTATGAATTTAATCAAAATGGGGAACCTTATACT
CTAAATGAAGAAAGTCTTTATCAGAAAATTCGTATTTTGGAGAAACCTTTTGAATATATT
GAATGCCAGAAAGCCTTCCAAAAGGACACTGTTTTTGTAAATCACATGGAAGAAAAGCCC
TATAAGTGAATGGATCTGAAATAGCCTTTCTCCAGATGTCGGACCTCACTGTACATCAG
ACATCTCATATGGAAATGAAGCCCTATGAATGCAGTGAATGTGGGAAATCCTTCTGTAAA
AAGTCAAAATTTATTATACATCAGAGGACTCACACAGGAGAGAAACCTTACGAATGTAAT
CAGTGTGGGAAATCCTTCTGCCAGAAGGGAACCTTACTGTGCATCAGAGAACACACACA
GGGAGAAAGCCCTATGAATGTAATGAATGTGGGAAGAACTTTTACCAGAAGTTACACCTC
ATTCAGCATCAGAGAAGTCACTCAGGAGAGAAAGCCCTATGAATGTAGTTATTGTGAAAA
TCCTTTTGGCAGAGACACACCTCACACAACATCAGAGAACACATTCAGGAGAGAGACCT
TATGTTTGTATGACTGTGGGAAACCTTCTCGCAGAAGTCAGCACTTAATGACCATCAG
AAAATTCACACAGGTGTGAAACTCTACAAGTGTAGTGAATGTGGGAAATGCTTCTGCCGC
AAGTCTACTCTCACGACCCACCTGAGGACCCACACAGGAGAGAAACCGTATGAATGTAAT
GAGTGTGGAAATTTCTTCTCGGTTGTATATCTCACTGTACATTATAGAACTCATTCA
GGAGAGAAACCTTATGAATGTAATGAATGTGGAAAAACCTTCTACCTGAATTCAGCCCTC
ATGAGACATCAGAGAGTGCACACAGGAGAGAAACCTTACGAATGTAATGAATGTGAAAG
TTATTCTCCAGTTGTATACCTCACTATCCATCATAGAAGTCAATTCAGGAGTAAAAACC
TATGAATGTAGTGAATGTGGGAAACCTTCTACCAGAAGTCAAGCCCTTTGTAGACATCGG
AGAATACACAAAGGAGAGAGCCCTATGAATGCTATATATGTGAAAAATCTTCTCTCAG
ATGTCATACCTCACTATACATCATAGAATTCATTTCAGGAGAGAAAGCCCTATGAATGTAGT
GAATGTGGGAAACCTTCTGCCAGAATTCAGCCCTTAATCGACATCAGAGAACACACACA
GGAGAGAAAGCCTACGAATGTTATGAATGTGGGAAGTCTTCTCTCAGATGTCCTATCTC
ACTATACATCATCGAATTCATTTCAGGAGAGAAACCTTTGAATGTAATGAGTGTGAAAA
GCCTTCTCTCGGATGTCATACCTCACTGTACATTATAGAACTCATTTCAGGAGAGAAACCC
TATGAGTGTACTGAATGTGAAAAAAATTTCTACCACAAATCAGCATTCAACAGCCATCAG
AGAATTCATAGGAGAGGAATATGAATGTAATGATGTGGGAAGGCTTCTCTGA

Clone variation with respect to NM_016265.3

139 g=>n;140 t=>n;141 g=>n;142 g=>n;143 g=>n;258 t=>g

5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_016265 unedited
 GGATTTTGTAACTACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCCTCGTGCCG
 AATTCGGCACGAGGGCCGGCCGGCACCCAAGCGGGCGCGGGCTGTGCGGGCCAGGCGG
 AGGCTCAAGCGGGGATCCCGAGCAGCACGCCCGGAGCCGACGGCGCTGGGGCCCAAGGG
 GCCGGCCGGCGGTGACGACGGCGGAGGCGAAGGGCGGGGACCCGGGCCCGGCCGT
 GTGCGTCTCGACGGCCCGGCCCGGCTCCGCAGGACGGTGAAGCCAGGAGACGGATC
 TGGGCTCCGGGAGGACGCCCGCTGGATTTGTCCTAAGCCCGGCCGGGCCCTCT
 GGAGCAGAAGCGCCTTGGTGAAGTGACAGGAAGGACCTCGCAGCAGACGCGCGCCCG
 CGACAGCAATCCCGCCCGGCTGTGCGGAGCGGTGGGCGAGAGGCTGCGGAGCCCAAGG
 AGGATCTGCCTCCGCTTTCACAGTCTCCAGATTTTCCAAGAGCAGCAGAAAAATGAATA
 AATCCCTGGGGCAGTGTCAATCAAGGACGTGGCTGTGGACTTCACCCAGGAGGAATGGC
 AGCAGCTGGATCCTGAGCAGAAGATAACTTACAGGGATGTATGCTGGAGAACTACAGCA
 ATCTAGTTTCTGGTATCATTATCAAACCGGATGTTATCAGCAAGTTGGAGCAAGGAGA
 AGAGCCATGGATAGTAGAAGGAAGATTCTACTTCAGAGCTATCCAGATGAAGTCTGGCA
 AACTGAGGACCTATAGAGAGAATCCAGCAAGAGGNAATAAACCTTCAAGCAAACTGGG
 TTCATTGAGACCCTGATGAGAAAGAGGGAATGTCTTGGTAAACATTTGTAGTACAAACA
 AACCTGTCTTTAAGANAAAACTATAAAATAGCCTCTGGGATATGGGC

3' Read Nucleotide

Sequence:

>OriGene 3' read for NM_016265 unedited
 CGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTCAAGTTTGTATTGTATCA
 AAAACATATCTTTTAGTATTAACAGTTTCCAAAGGATTATGTCTTCCACATTCCTTATAC
 TGATAGATTTCCCTTGGCTATGATTTCCCTGATGCAAAACAGTTCCAATCCATGGTG
 ACATGTATATACATTCTTAATATTTATAAATTTTACTTGTCTATAGTCTAGTATTGTTA
 TACCATGTGGTCTTGTATAATCATGGTTTCCATTCTGTGAGTCTTCAGATTATGAGTCC
 AACACACAAGGGGATGTCCACACTAACCTGTGTGAACCTCTGTATGACAAGGTGTTTGA
 CTTTCAGGCAGGAGTTTCTGATTCATACTGAAAGGGTTCTCTGATATAAAATGAGGTG
 TGACTTCAAAGAAGCCTTCCACATCTATTACATTCATATTCCTCTCCTATGAATTCTC
 TGATGGCTGTTGAATGCTGATTGTGGTAAATTTTTTCCACATTCAGTACACTCATAG
 GGTTTCTCTCTGAATGAGTTCTATAATGTACAGTGAGGTATGACATCCGAGAGAAGGCT
 TTTCCACACTCATTACATTCAAAGGGTTTCTCTCTGAATGAATTCGATGATGTATAGTG
 AGATAGGACATCTGAGAGAAGCACTTCCACATTCATAACATTCGATAGGCTTTCTCTCT
 GTGTGTGTTCTCTGATGTCGATTAAAGGCTGAATTCTGGCAGAGGTTTTCCACATTCAC
 TACATTCATAGGGCTTCTCTCTGAAGAATNTATGATGTTAGNGAGGTATGACATCTGAA
 AGAAGATTTCCACTNTATAGCACTCTAAGCCTCTCTCTTGAGTATCCTCGAGTCTACAA
 GGCTGAGTCTGGTAAAGGTTTCCACATCTACTCATAGGTTTACTCCGA

Restriction Sites:

NotI-NotI

ACCN:

NM_016265

Insert Size:

2820 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_016265.2, NP_057349.2</u>
RefSeq Size:	2811 bp
RefSeq ORF:	2094 bp
Locus ID:	7559
UniProt ID:	<u>P17014</u>
Cytogenetics:	7p22.1
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene is a member of the krueppel C2H2-type zinc-finger protein family and encodes a protein with eight C2H2-type zinc fingers and a KRAB domain. This nuclear protein is involved in developmental control of gene expression. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (α).