

Product datasheet for **SC111203**

ZNF606 (NM_025027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF606 (NM_025027) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF606
Synonyms:	ZNF328
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_025027, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCCATCAACCCGTGGGCTCTGGGGTGCCCTTACGGACCAATCTTGGGGGATGACAGCTGTTG
ACCCATGGGCTCTGGGCTCTGTGTCTCAGTATCCTGCCTGGCAGTGGAGGGAAGCCTGGAGGAGGG
GAGGAGGGCCACTGGGCTCCCAGCAGCCAGGTTCAAGAACCAAGTGACCTTCAAGGACGTGGCCGTGGAG
TTCACCCAAGAAGAGTGGGGGCAGCTGGACCTTGTTTCAGAGGACCCTGTACCGTGATGTGATGCTGGAGA
CCTATGGTCACCTGCTCTCTGTGGGAAATCAGATTGCCAAGCCTGAGGTCATCTCCCTGTTGGAGCAAGG
AGAAGAGCCGTGGTCAGTGGAGCAGGCATGTCTCAACGCACTTGTCCAGAATGGGTGAGAAATCTTGAA
AGCAAAGCATTGATCCCAGCACAGAGCATTTTTGAGGAAGAACAATCCCATGGCATGAAGTTGGAAGAT
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CATGAACCAGAGTACAGCTATGAGGCAGATGGTCTTCATGCAAAAGCAAGTACTATCCCAGAGAAGCTCT
GAATTCTGTGGACTTGGGGCAGAGTTTAGCCAGAACTTAACTTTGTTCCATCTCAGAGAGTTTCTCAGA
TAGAACATTTCTATAAGCCTGATACACATGCTCAAAGTTGGAGATGTGACTCAGCCATAATGTATGCAGA
TAAGGTTACCTGTGAAAATAATGATTATGACAAAAGTGTTCATCAGTCCATTCAACCTATTACCTTGCA
AGAATACAAAGTGGAGATAATCTTTCAAATGTACTGATGCTGTTAAATCTTTCAATCATATAATACATT
TTGGTGATCATAAAGGAATTACACAGGAGAAAACTCTATGAATATAAGGAATGCCATCAAATCTTTAA
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ACAATGAATGGGAGAAAGTCTTTGGGTATGACTCTTTCCTTACTCAACATACAAGCACTTACACTGCAGA
GAAACCCATGACTACAATGAATGTGGGACGCTTTTCATCTGGAGCTCTTACCTTATTCAACATAAGAAA
ACTCATACTGGAGAAAAACCCATGAATGTGATAAATGTGGAAGTGTGTTAGGAATCGCTCAGCCCTTA
CGAAACATGAACGGAATCAGCTGGAATAAAACCCATGAATGTAATAAATGTGGAAAAAGCCTTCAGCTG
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GTAATGAATGTGGGAAATCATTAGCTGGAGCTCCCATCTTATTGCCCATATGAGAATGCATACTGGAGA
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TTGCCCATCAGAGAACTCACACGGGAGAGAAACCATATAACTGTCAGGAATGTGGCAAAGCATTGAGAGA
ACGCTCAGCCCTCACTAAACATGAGATAATTCATTCTGGAATTAAGCCCTATGAATGTAATAAATGTGGA
AAATCCTGTAGCCAGATGGCTCACCTTGTTAGACATCAAAGGACTCATACTGGAGAAAAACCCATGAAT
GCAATAAATGTGGAATCCTTCAGTCAGAGCTGTACCTTGTGCTCATCGGAGAAATCAGCTGGTGA
GAAACCCATATAAATGTAATCAGTGTGAAAGATCCTTAACTGTAGTTCTCACCTCATTGCACACCGGAGA
ACTCATACTGGAGAGAAACCATACAGGTGTAATGAATGTGGGAAAGCATTTAATGAGAGTTTCATCCCTTA
TTGTACACCTAAGAAACCATACTGGAGAAAAAGCCTACAAATGTAATCATTGTGAAAAAGCATTTTGTAA
GAATTCCTCCCTTATTATTCATCAGAGAATGCATAGTGGAGAGAAACGCTTTATATGCAGTGAATGTGGA
AAAGCCTTTAGTGGTCACTCAGCCCTACTTCAACACCAGAGAAATCAGTGAAGAGAACTGAATTGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_025027 unedited
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGAGATAATCTTTTCAAA
 TGTACTGATGCTGTTAAATCTTTCAATCATATAATACATTTTGGTGATCATAAAGGAATT
 CACACAGGAGAAAACTCTATGAATATAAGGAATGCCATCAAATCTTTAACCAGAGCCCA
 TCATTTAATGAACACCCAAGGCTTCATGTTGGAGAAAACCAAGTATAATTACAAAGAATAT
 GAGAATATCTTTATTTCTCATCCTTTATGGAACATCAAAAAATTGGTACTGTAGAGAAA
 GCGTATAAATACAATGAATGGGAGAAAGCTTTGGGTATGACTCTTTCCTTACTCAACAT
 ACAAGCACTTACACTGCAGAGAAACCTATGACTACAATGAATGTGGGACGTCTTTCATC
 TGGAGCTCTTACCTTATTCAACATAAGAAAACTCATACTGGAGAAAAACCTATGAATGT
 GATAAATGTGGAAGTTTTATAGGAATCGCTCAGCCCTTACGAAACATGAACGGAATCAC
 ACTGGAATAAACCCCTATGAATGTAATAATGTGGAAGCCCTCAGCTGGAATTCTCAT
 CTTATTGTACATAAGAGAATTCATACAGGAGAAAAACCTATGTTTGAATGAGTGTGGG
 AAATCTTCAACTGGAATCTCATCTTATTGGACATCAGAGGACTCATACAGGAGAAGAA
 ACCTTNTGAATGTACTGAATGTGGGAAATCATTAGCTGGAGCTNCCATCTTATTGCCCA
 TATGAGAATGCATACTGGGAGAGAACCTTTAATGTGATGAAGTAAAAAGCTTTTAGGG
 ACTACTCAGCCCTTAGTAACATGAAAGACTCATTCTGGAGCAAACATATNAATGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_025027 unedited
 CGGCCGCAATCTANAGTCGAGTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TAAAAAAAAGCCACCACATAAGGGTTATATGTATTTGAAAACTTTTTAAAAATCTCA
 ACTGGGTAACTTTACCATGGATCTTTCAGGTCCTTACCCATATACATTTTTTTAAATGG
 GTTACAGTAAGTATGTATATACAATTCTGTATCCTTTTTATTCTTCATGTTATGTATAC
 TGATGCAGGGTCCATAATTATAATTTATAGGGATTGCCTAAAACAAATTACAACTAATT
 GCCCAACAATGCAGTGATGAATAACAATGGACGCTGACACACTGGGCTAAGGATCACTTT
 CTGTCCAGAAACATAAGTCTCACCTCCTAGGCAATAACTTTCCTACCGGCAGTCATTTT
 ATTCATTAACCTCCTCTAAGGAGGTTAATCAACATTAACCAACCCCATCAATACTATTA
 TTTCTTCTACATTCAAATAAGCACTTCATATTTTTATTCTGGGCACCTCACACCTT
 CCCTTTATAAAAAAAATTTGGTTTTTAAACATTATGCCCAAAATGTTATTGTAGAAT
 TATCCATCCCAGACTCTCTGTTGATGCAAAACAGGTTTTTCCACCAAAAAATTTTTTTG
 TCAAAGTTTTTTTACCATTACACCATTTTACCATGGGAAAAATCCTTTGCCAAAAAAC
 CTCTTACCCGAATCCTGGGCTCAAATATAATTTTCTGGCAACCACAGGGGAATTAATA
 TCCCTTACTGCTATATATGGAATTGAGAAGGCCAAAAACCCGGCCAAACCTTCACCTAT
 TCTTTACTTTCCCGGGATTTTTTAAACGAATTCTTTAAACAACAGGGGGATAAACCTT
 TCGCCTTTTAAGAAAAAGGCCCTTTTATTTGTTTACAGGGTTTCTCCGGGTGGTAAGGG
 CAAAAAGAAACCCCTAACAATACAACCTTATACGGATTCCTTGGTTCCGAAGGGCAGC
 AACAACGGTTATCCTTCTG

Restriction Sites:

NotI-NotI

ACCN:

NM_025027

Insert Size:

2440 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_025027.1, NP_079303.1</u>
RefSeq Size:	4239 bp
RefSeq ORF:	4239 bp
Locus ID:	80095
UniProt ID:	<u>Q8WXB4</u>
Cytogenetics:	19q13.43
Domains:	zf-C2H2
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	This gene encodes a zinc finger protein containing a Kruppel-associated box (KRAB) domain at its N-terminus, followed by contiguous C2H2 zinc finger motifs. The encoded protein is a nuclear protein that can act as a transcriptional repressor of growth factor-mediated signaling pathways in a reporter gene assay. This protein has been shown to interact with the SRY-box 9 gene product, and suppresses its transcriptional activity by inhibiting its DNA binding activity. Reduced expression of this gene promotes chondrocyte differentiation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016] Transcript Variant: This variant (1) encodes the longest isoform (1). Both variants 1 and 2 encode the same isoform (1).