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Product datasheet for SC112086

Zinc finger protein 668 (ZNF668) (NM_024706) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zinc finger protein 668 (ZNF668) (NM_024706) Human Untagged Clone
Tag:	Tag Free
Symbol:	Zinc finger protein 668
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC112086 sequence for NM_024706 edited (data generated by NextGen Sequencing)

ATGGAAGTGGAGGCTGCAGAGGCCCGGTCCCCAGCCCCCGGCTACAAGCGCTCGGGCCGC
CGCTACAAGTGCCTGTCCTGTACCAAGACATTTCCAAACGCGCCCAGGGCAGCGCGCCAC
GCTGCCACACATGGGCCGGCAGACTGCTCTGAAGAGGTGGCCGAGGTGAAGCCAAAGCCA
GAGACAGAAGCTAAGGCAGAGGAAGCCAGTGGGGAGAAGGTGTCAGGCTCCGCGGCCAAG
CCTAGGCCCTATGCGTGTCCGCTATGCCCCAAGGCCTACAAGACGGCACCCGAGCTGCGC
AGCCACGGGCGCAGCCACACGGGGGAGAAGCCCTTTCCGTGCCCCGAGTGCGGCCGCCGC
TTCATGCAGCCCGTGTGCCTGCGCGTGCACCTGGCCTCGCACGCTGGCGAACTGCCCTTC
CGCTGTGCGCACTGCCCGAAGGCCTATGGCGCGCTCTCCAAGCTCAAGATCCACCAGCGT
GGCCACACAGGCGAGCGGCCTTACGCCTGCGCCGACTGCGGCAAGAGCTTTGCTGACCCT
TCAGTGTTCCGCAAGCACCGGCGTACTCACGCTGGCCTGCGGCCCTACAGCTGTGAGCGT
TGCGGTAAAGCCTATGCGGAGCTCAAGGACCTCCGCAACCATGAGCGGTCCCACACCGGC
GAGCGCCCCTTCCTCTGCTCCGAGTGCGGGAAGAGCTTCTCCCGCTCATCCTCGCTCACG
TGCCACCAGCGCATCCACGCGGCACAGAAGCCCTACCGCTGCCCGGCCTGCGGCAAGGGC
TTCACGCAGCTCAGTTCCTACCAGAGCCACGAGCGCACGCACTCGGGGGAGAAGCCCTTC
CTGTGCCCGCGCTGCGGCCGCATGTTCTCCGACCCCTCGAGCTTCCGTCGCCACCAGCGC
GCCCATGAAGGGGTGAAGCCATACCACTGCGAGAAGTGCGGCAAGGACTTCCGGCAGCCG
GCGGACCTGGCCATGCACCGGCGTGTGCACACAGGCGACCGGCCGTTCAAGTGCCTGCAA
TGTGACAAGACGTTCGTGGCGTCCTGGGACCTCAAGCGGCACGCGCTGGTGCACTCTGGC
CAGCGGCCCTTCCGCTGTGAGGAGTGCGGGCGAGCCTTCGCCGAGCGTGCCAGCCTCACG
AAGCATAGCCGGGTGCACTCGGGGGAGCGCCCCTTCCACTGTAACGCATGTGGGAAATCC
TTTGTGGTGTCGTCGAGCCTGAGGAAGCACGAGCGGACCCATCGAAGCAGTGAGGCCGCG
GGTGTGCCCCCTGCACAGGAGCTGGTGGTGGGGTTGGCGCTGCCTGTGGGCGTGGCAGGT
GAGAGTTCAGCCGCCCCGGCAGCAGGGGCGGGGCTGGGGGACCCTCCAGCAGGGCTGCTA
GGGCTGCCCCCGGAGTCAGGTGGTGTGATGGCCACACAGTGGCAGGTGGTGGGCATGACG
GTGGAGCATGTGGAATGCCAAGATGCTGGTGTCCGGGAGGCTCCTGGTCCCTTGGAAGGG
GCAGGCGAGGCGGGGGGTGAGGAGGCTGACGAGAAGCCCCCCCAGTTTGTGTGCCGAGAG
TGCAAGGAGACCTTCTCCACAATGACGCTGCTGCGTCGGCACGAGCGCTCACACCCGGAG
CTCCGGCCCTTCCCCTGCACCCAGTGCGGCAAGAGCTTCTCTGACCGGGCTGGGCTGCGC
AAACACAGCCGCACTCACAGCTCAGTGCGCCCCTACACCTGCCCCCATTGTCCCAAGGCC
TTCTTGAGTGCCAGCGACTTGCGCAAGCATGAACGCACCCACCCTGTGCCCATGGGGACC
CCCACACCCCTGGAGCCCCTGGTGGCTTTGCTAGGAATGCCTGAAGAGGGGCCGGCCTGA

Clone variation with respect to NM_024706.4
606 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024706 unedited
GGGTTCACATTTGTATACGACTCACTATAGGCGGCCGCGATTCGGCACGAGGGGGCGCAG
NNAAAGGGAGAAAAAGATTCTACAGCCCTGGCCACGGTACTTTGGTGACACTTTTCGTGG
GGCTCTCTGGAGGACTTTTCCCAAGGCAGATGGAGAAAACTTCGTGAAACCCACTCCTTG
CTATTAAAGGAAATGTTGTGGAATATAATTGGACTTAGGTTTTGCAGAGCTTGAGCATGG
CCTTTTTGTCCTCCCACCTTCTGGTTCTTGAAGACATTGCCGGTGACCTGGCCCCAGACT
AACACAAGGCGGGCGTATACCGTCAGCCTGCCTGGCGTCCCCTTGCCTCAGCACACACAG
AGACCTCTTGCAAGATGCTTCTCTGCCGCCATAGGCTGGAGGTTCCCCGGGAACTTTCCC
TTCCTTCCTAGCTGAGGAAGATCCCTCACTTCCGCTCGCCGCGCCACCGGTCCCACCTCC
CCGCCCCCCGCTGGGTCCTAGCGCCGGCCCCTGTTTGGCAGGGTCCGGGCTCCGTCGGTG
CGAGGAGCCGACGCCGACGCCACGGAGTCAGCACAAGTCTCATCAGAGAAACCCCGTTCA
CCAAGGCCATGGAAGTGGAGGCTGCAGANGCCCCGTCCCCAGCCCCCGGCTACAAGCGCT
CGGGCCGCCGCTACAAGTGCCTGTCCTGTACCAAGACATTTNCAAACGCGCCCAGNGCAG
CGCGCCACGCTGNCACACATGGGCCCGCAGACTGCTCTGAANAGTGGCCCGAGTGAAGCC
CAAGCCANAGACAGAGCTAANGCAGNAGAGCCAGTGGGAGAANGTGTCANGCTNCGCGNC
CAGCCTAGCCCTATGCTGTCCGCTATGCCCCAGNCTACAGACGNACCCGACTNGCAACAC
GGCGCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024706 unedited
NNTTCCGTTATAACTAAGNNACCGCGGCCGCATNCTAGNGATCGATTTTTTTTTTTTTTT
TTTTTTTTTTTTTATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCGGGGGCCAAAATG
AAAGCTTTAATGAGTGTTACTCCTAAACAGTCACGTTTAAATTTTTGCCACCCTCCATTG
TCCCAATTTTTTTAACTGGCCAACAGGGGAACTAGTTGCTGAAGGGTAGGGATCTGGAGT
CTAAAAACCAAACCCCGGCAAAAGGAGGTACAGGAACCCCCCAATGGGGGCTGGGCTCCC
GGAATGTGGTGCTGGGGGAAAATGGGCTTAAGGCCGGCCCCTTTTTAGGCATTCCTAACA
AAACCACCAGGGGCTCCAGGGGGGGGGGGGTCCCCATCTGGCACAGGGGGGGTGCGTTCA
TGCTTGCCCAAGTCGCTGGCACTAAAAAAGGCCTTGGAACAATGGGGGCAGGTATAGGGG
CCCACTGACCTGTGAGTGCGGTTGGGTAAGCCCAACCCAACCCGGTAAAAAAAACTTTTG
CCCCACTGGGTGCAAGGAAAGGGCCCGACCTCCGGGTGTAAGCCCTCGTGCCGACCAAAA
TAACGTTTTTGGGGAAAAGGTTTCCTTGCACTTTTGGCACACAAACTGGGGGGGCTTTTT
GTAAGCCTCTTACCCCCCGGCTTGCCTGGCCTTTTAAAGGGACCAAGAACCTCCCGAGAA
CCAAAATTTTGGGATTCCAAAAGCTCCACCGTTTTGCCCACCACCTGCCATTGGGGGGGC
CTTAAACCCCCCTTAATTCCGGGGGCCACCCTTAAACCCCTGCTGGAGGGTCCCCAACCC
CCCCCCTGTTTGGGGGGGGGTGAATTTTCG

Restriction Sites: NotI-NotI

ACCN: NM_024706

Insert Size: 3000 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:	NM_024706.3, NP_078982.2
RefSeq Size:	2649 bp
RefSeq ORF:	1860 bp
Locus ID:	79759
UniProt ID:	Q96K58
Cytogenetics:	16p11.2
Domains:	zf-C2H2
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, compared to variant 1. Variants 1, 2, and 4 all encode the same isoform (a).