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Product datasheet for SC314674

ZNF33B (NM_006955) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF33B (NM_006955) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF33B
Synonyms:	KOX2; KOX31; ZNF11B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for NM_006955 edited
CGGGATTTCAGGGGTCTACCGGCTCTCTTATGGCGAATGCAACCCGAAGAGAGAGTGAGC
TGTATCTTCAGAGTTGTCTCCGTCTTTCCAAGAACAGAACAAAATGAACAAGGTAGATCA
GAAGTTCCAGGGGTCAGTATCATTTAAAGATGTGACTGTGGGCTTCACCCAGGAGGAGTG
GCAGCACCTGGACCCTAGTCAGAGGGCTCTGTATAGAGATGTGATGCTGGAGAACTACAG
CAACCTTGTCTCAGTGGGGTATTGTGCTCACAAACCAGAGGTGATCTTCAGGCTGGAACA
AGGAGAAGAACCATGGAGACTGGAGGAAGAATTCCCAAGCCAGAGCTTTCCAGAAGTCTG
GACAGCTGATCACCTGAAAGAGAGGAGCCAAGAAAATCAATCTAAACATTTGTGGGAAGT
TGTATTCATCAATAATGAAATGCTGACTAAGGAACAAGGTAATGTAATAGGAATACCATT
TAACATGGACGTAAGTTCTTTTCCTTCCAGAAAAATGTTCTGTCAGTATGACTCATGTGG
AATGAGTTTCAACACTGTTTCAGAATTGGTTATCAGTAAGATAAACTATTTAGGAAAAAA
GTCTGACGAATTTAATGCATGTGGGAAATTGTTACTCAATATTAAGCATGATGAAACTCA
TACTCGAGAGAAAAATGAAGTTTTGAAAAATAGGAACACTCTGAGTCATCGTGAGAACAC
TTTGCAGCATGAGAAGATTCAAACTTTAGACCACAATTTTGAATACAGTATATGTCAGGA
AACCCTCCTTGAAAAGGCAGTATTCAATACACGGAAGAGAGAGAATGCAGAAGAGAATAA
CTGTGACTATAATGAATTTGGGAGAACTTTCTGTGATAGTTCATCCCTCTTGTTCCATCA
GATACCTCCATCAAAGGACAGTCACTATGAATTTAGTGATTGTGAGAAGTTCTTATGTGT
GAAGTCCACCCTTTCTAAACATGATGGGGTACCTGTGAAACACTATGATTGTGGTGAAAG
TGGGAATAATTTCAGGAGGAAATTGTGTCTGTCACAGCTTCAGAAAGGTGATAAAGGAGA
GAAACACTTTGAATGTAATGAATGTGGGAAAGCTTTCTGGGAGAAGTCACATCTCACTCG
ACATCAGAGGGTGCACACAGGAGAGAAACACTTTCAATGTAATCAATGTGGAAAAACTTT
CTGGGAGAAGTCAAACCTCACTAAACATCAGAGATCACACACAGGGGAGAAACCTTTTGA
ATGCAATGAATGTGGGAAAGCCTTTAGCCATAAGTCAGCCCTCACATTACACCAGAGAAC
ACATACAGGGGAGAAACCCTATCAGTGTAATGCATGTGGGAAAACTTTTTACCAGAAATC
TGACCTCACTAAACATCAGAGAACACACACAGGGCAGAAACCCTATGAATGTTATGAATG
TGGAAAATCCTTCTGTATGAATTCACACCTTACAGTACACCAGAGAACTCACACAGGTGA
GAAACCTTTTGAATGTCTTGAGTGTGGGAAATCCTTTTGTCAAAAGTCACATCTTACACA

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GCATCAGAGAACTCACATAGGAGATAAACCTTATGAATGTAATGCATGTGGGAAAACTTT
CTACCACAAGTCAGTACTCACCAGGCATCAGATAATTCATACAGGGTTGAAACCTTATGA
ATGTTATGAATGTGGGAAAACCTTCTGCTTGAAGTCAGACCTCACAATACATCAGAGAAC
GCACACAGGGGAGAAACCCTTTGCATGTCCTGAATGTGGGAAATTCTTTAGCCATAAGTC
AACCCTCTCTCAACATTATAGAACACACACGGGGGAGAAACCCTATGAATGTCATGAATG
TGGAAAAATCTTTTACAATAAATCATACCTAACAAAACATAATAGAACACATACAGGGGA
GAAACCCTATGAATGTAATGAATGTGGAAAAACCTTCTGCCAGAAGTCACAACTCACTCA
GCATCAGAGAATTCACATAGGGGAGAAACCCTATGAATGTAATGAGTGTGGAAAAGCTTT
CTGCCATAAGTCAGCTCTAATTGTACATCAGAGAACCCATACACAAGAAAAGCCTTATAA
ATGTAACGAATGTGGAAAATCTTTCTGTGTGAAGTCAGGACTTATTTTACATGAGAGAAA
GCACACGGGGGAGAAACCCTATGAATGCAATGAATGTGGGAAATCCTTCAGTCACAAATC
ATCACTCACAGTACATCACAGGGCTCACACAGGAGAGAAATCTTGTCAGTGTAATGAATG
TGGAAAAATCTTTTACCGTAAATCAGACCTTGCTAAACATCAGAGATCACATACAGGGGA
AAAGCCCTATGAATGTAACACATGCAGGAAAACCTTCTCTCAAAAGTCAAATCTCATTGT
ACATCAGAGAACACACATAGGAGAAAAACCTTATGAATGAATTGGATATTAGAAATTTCC
AGCCACAAGTCAGCCTCCATAATGCCTCAGAGTCTTCACACTGTGGAGAAGGGCCTGTTG
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AGGGGATAAACCCATAGACTACAACAACTATAGGATGGCTTTTGTTAGGAAGTGATATTC
TGTTGAATATCAGATGGTTAATACTGGCATAAAACCTCACAGATTTTTTTGAATTTGTGA
AAGTTTTTGGCAAAACTACAAATAGGATTATGTTAGCATTTACACTGAGGAGAAAATTGT
CAATTTAAGAAATCTAAAGTGAAAATTTTGCTTAGAAATAAAATATGACAAGTTCTGTTT
TGAGTTTGATGCCATAATAGTTTTTAAGGTATCTAACAATAATTTATAGATGTACATTGT
GGAATGTAAAGCTTTAAGAATTTTTTAAGAAGTAATAATTAAAATAACCTCACAAGAAGT
TGTAATGAGTACAGAGAATTCCCGTGTACCCTTCACCAAGCTTCCTCTAAGGATAATATA
TAATCATAGTATATGGTCAAGTCCAAGAAATCGATGTTACCTTGCTAGTAGATGCAGACT
TACTCAGATTTTGCTATGGTTTGCGTGCACTCTGTGTGTGTACGTGTATGTGTGTGTGTG
TGGTTATAACAAACTGGTACTTTTACATTTGAGTAACCATCAACACAATTAGTTTACAGA
ATGGAAAAGGAGTCTGAGATCTGTACTGTTTCAGGATTACAAAGGAATCAGGATTTAGCC
TCAAGTAGTTCCCTTGTTGTATTAATAACCACACCCTTTCTGCATCCCTGTCCCTGGCAT
CCACTTGACTATGAAGCTTTTTGTAAAGCATAGATAAATTGAATAATCAGGGCAACAGCA
TTAAGCACATCTGTGAATTATCCCTGAAGTTCATAGGACTTACATATGTACAAGTGGTAT
GTGATATAAATCGTGTGTTTCATATGCATAATGGTATTTAACGTAATTGTGAATAGGAAG
TAGGTATCCTAATTTAGTAGTGGTTACTTCATCAGGCCCATCCCAGGTGTTTGTCGTGTC
CTGAAACAATTTAAATAGAGACCCACAGAGCTAATGTTTATCCATTTAAAAGTTATAAAT
CAAAATAACAGATTATCTGAAAAAAAATCTATCCTGTACGTGTGAAGATCTAGGCCTGCC
TCCATGTTACTCCCTTTCTCTTACTACCTGTGGCTCATCCCATGCCATGAACTGCCTGGG
GTACATATGTGAACACTCCAGCCTTCAGCGTAAGTGATAGTCCAAATTTTCTTTAAGCAG
CTGCTCTCCAAGACAGGGCCCTGGAAAGAGGCCCACACATACAGCCCAGTTGCTGCCCAG
GGCTGTTGGACTGTCATTTCATTGCTCATTGTACCCAGACAGGGATCTGGGCCTTCAGAG
ACTTTTGAGAATATGAAGAGGAGGGTTGAGGCTGGAGAAGAGCCAGAATCAAGCTGGCAT
GGGGCTTTTATTGACAGTGTGAAGATTGTACACTACATTACATGATCAGATCATACAAAT
AATCTAAGATTTTACAGTCTGGTGACCCTAGATTACACAAGTAATCTAAGCTTCCACTTT
GGAAAACTAGAAAAAGAAGTTGCAGTGAGGCTGAGATTGCACCACTGCACTCCAGCCTGG
TGACAGTGAGACTGTGTCTCAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006955

Insert Size: 4200 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:	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_006955.1.
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_006955.1, NP_008886.1
RefSeq Size:	5958 bp
RefSeq ORF:	2337 bp
Locus ID:	7582
UniProt ID:	Q06732
Cytogenetics:	10q11.21
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a member of the zinc finger family of proteins. This gene shows decreased expression in cumulus cells derived from patients undergoing controlled ovarian stimulation. This gene is present in a gene cluster with several related zinc finger genes in the pericentromeric region of chromosome 10. Pseudogenes have been identified on chromosomes 7 and 10. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015] Transcript Variant: This variant (2) differs in the 5' UTR, contains an alternate exon in the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter compared to isoform 1.