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Product datasheet for SC103538

ZNF75 (ZNF75D) (AK091687) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF75 (ZNF75D) (AK091687) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF75
Synonyms:	D8C6; ZKSCAN24; ZNF75; ZNF82; ZSCAN28
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC103538 sequence for AK091687 edited (data generated by NextGen Sequencing)

ATGGCGATGAGAGAGCTGAACGCGGATTCATGCTCAAGCCCCCAGATGGGGGCTATGTGG
GAGACTAGTGGGTCTGTGAAAGAGAACTCCAGTCAGAGTAAGAAATACAGCACAAAAATA
GAGAATCTTGGTCCTGAGAGCGCTTGCAGGCACTTCTGGAGCTTCCGTTATCATGAAGCA
ACCGGACCGCTTGAGACTATCAGCCAACTTCAGAAATTGTGCCATCAGTGGCTGAGGCCA
GAGATCCACTCAAAAGAGCAGATCTTGGAAATGCTGGTGTTAGAGCAGTTCCTGAGCATT
CTGCCCAAGGAGACCCAGAACTGGGTGCAGAAGCATCATCCACAGAATGTCAAACAGGCT
CTGGTCCTGGTGGAATTCTTGCAGAGGGAGCCTGATGGAACAAAGAATGAGAGTTTGTTG
ACATTTGAAGATGTGGCTGTGTATTTTTCTGAGGAAGAGTGGCAATTATTGAATCCTCTT
GAGAAGACTCTCTACAATGATGTAATGCAGGATATCTATGAGACTGTCATCTCTCTAGGG
TTAAAGCTAAAAAATGACACTGGAAATGATCATCCTATATCTGTTTCTACATCAGAAATA
CAAACATCAGGATGCGAAGTATCAAAAAAGACCAGAATGAAAATTGCCCAGAAAACAATG
GGCAGGGAAAATCCTGGTGATACACACAGTGTACAGAAATGGCATCGAGCTTTTCCAAGG
AAGAAAAGAAAGAAACCTGCAACTTGTAAACAAGAGCTTCCAAAACTTATGGATCTTCAT
GGGAAAGGCCCCACAGGGGAGAAACCTTTTAAGTGTCAGGAATGTGGGAAAAGCTTCAGA
GTTAGCTCTGATCTTATTAAACACCACAGAATTCACACTGGAGAGAAACCCTATAAATGT
CAACAATGTGACAGGAGGTTTAGATGGAGTTCAGATCTTAATAAGCACTTCATGACCCAT
CAAGGAATAAAACCATATAGATGCTCATGGTGTGGGAAAAGCTTTAGTCATAACACAAAT
CTACACACACACCAAAGAATTCACACAGGAGAGAAGCCCTTTAAATGTGATGAATGTGGA
AAAAGATTCATTCAGAACTCCCACCTTATTAAACACCAGAGAACTCACACAGGTGAGCAG
CCTTATACGTGTAGCTTATGCAAGAGAAACTTTAGTAGGCGATCGAGCCTTCTTAGACAC
CAGAAACTCCACAGAAGAAGGGAAGCATGTCTAGTGTCTCCAAACTGA

Clone variation with respect to AK091687.1
941 g=>a

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5' Read Nucleotide Sequence:

>OriGene 5' read for AK091687 unedited
GGGTGCCCATATAGTAAACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGGTCAGGT
CTTCGGGAGGTGGAGGGATCGAATGAGGGAACTGATATTCCAAGACTCCCCACATCTTGG
AGCTTCACTCGCCAGGCATCCCGCGCTTTCCTGACGTCGCTTCCCCTAGTGGTGCAGCAG
CGGAGAGCTTTGCTACCCAGAGCAGCAGGGAGGCGTGGCCACAGAGGCAGAGGCGTAGTC
GAGCCGAGGAAGAGGAAAGTGGCCTCCGGGGAAGCCAGAGCTGACTGAAGTGCTCTTGGG
AAGAACAATTCATTGATTTGGTACCAACCTGATGCACCCTGATTTGTCAAAGGTGGTACC
AGGTGGGTGTCAGTGTCACATACAAGAGTAAAACTGTTCCTAGAGCAAATGGCGATGAGA
GAGCTGAACGCGGATTCATGCTCAAGCCCCCAGATGGGGGCTATGTGGGAGACTAGTGGG
TCTGTGAAAGAGAACTCCAGTCAGAGTAAGAAATACAGCACAAAAATAGAGAATCTTGGT
CCTGAGAGCGCTTGCAGGCACTTCTGGAGCTTCCGTTATCATGAAGCAACCGGACCGCTT
GAGACTATCAGCCAACTTCAGAAATTGTGCCATCAGTGGCTGAGGCCAGAGATCCACTCA
AAAGAGCAGATCTTGGAAATGCTGGGTGTAGAGCAGTTCCTGAGCATTCTGCCCAAGAGA
CCAGNNACTGGTGCAGAAGCATCATCCACAGAATGTCAAACAGGCTCTGGTCCCTGTGGA
ATNCCTGCAGAGGAGCCTGATGGAACAAAGATGAGTCACCAGCCATGAGCTGGAAANGNA
GCAGTGCTCTTGGGAGGACAGCAGTGGCCCAAGNCTTCAAGTGAAGCCAGCANACCCCAA
CCATGGNTGTGTCC

3' Read Nucleotide Sequence:

>OriGene 3' read for AK091687 unedited
CTATGGAACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTGATTTGGT
AACAAAGTTTTGTTTATTGTCTAAATTTAAGATAAAATGTGTCATTTTCATTACGAAGTA
CAATTTTATGGAATACTAAATAAACATATATAAATAAGCCTTGGCCAACATTATAAACCA
GGATCTGACATAGATATAAATCCATGCCTTCCAACTTCCCTTGACGTCACATTATCTTCT
CTTAAGAGATAGTCACTTTGGCTAATAGGGAAAAGAAAACCAGTAACATCAGAAAACAAT
TTCCATCTGGCCTGGCTCTGACTGGCATCATCACTGTGAGCCATATGCCTTACTTTTCTC
TGACACTTCAGGATGTTCCCTCCTGGTATCAGCTGTGCACCAAAGCTAAAAGTTCACAAG
GCTCTCCTTGCCATTCTCAATAAATCAGTTTTGCAAAATCTCCAGGCCTTCTTGCAGAGT
ATTCAGGCATATAGGGTTGTAGTTGATCAGCCATAAAGATGGGGCTCCCTTTAGGTCCTG
CAGCAGTATGGCACCAGTTTGAAAGCCTCCATCCAGTCCACATAATGAAAGTCAGAAAAA
GACCATTTACCACTTATCTGTGCTTTCTACAAAAAAAAAACCAGATACCTGGATGAGGGC
CAAGACTGCCTCCCTCATCATTTCACTATATGTCTATGTTGACCCAAGTCAGCAGAGGAG
AGATATCAAGTGCTTGCAAGGTCCCTAGGCCTGTCCTTACATTCAGACCTTCCCTTGCTA
CTTGTAATTCCCTGACAGAAGACATTGGGTAGTGGGTACTCAGGAGAGAAGCACAGAATG
GGACAATTCTCCAGGGCAACACTGAATCTCTCTTTCTGTACAGAGTAAGTCCCTGAACCT
GGCCTGATTGTCAGTANACGATGATACTATGAACGTCCTAATTAGAATCTCCGG

Restriction Sites: NotI-NotI

ACCN: AK091687

Insert Size: 3500 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:	AK091687.1, BAG52399.1
RefSeq Size:	2976 bp
RefSeq ORF:	2976 bp
Locus ID:	7626
Cytogenetics:	Xq26.3
Domains:	KRAB, LER, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that likely functions as a transcription factor. The protein, which belongs to the ZNF75 family, includes an N-terminal SCAN domain, a KRAB box, and five C2H2-type zinc finger motifs. Another functional gene belonging to this family is located on chromosome 16, while pseudogenes have been identified on chromosomes 11 and 12. Alternative splicing results in multiple transcripts variants. [provided by RefSeq, Jun 2010]