

Product datasheet for **SC306481**

ZSCAN4 (NM_152677) Human Untagged Clone


Product data:

Product Type:	Expression Plasmids
Product Name:	ZSCAN4 (NM_152677) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZSCAN4
Synonyms:	ZNF494
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306481 representing NM_152677. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCTTTAGATCTAAGAACCATATTTTCAGTGTGAACCATCCGAGAATAATCTTGGATCAGAAAATTCAG
CGCTTTCAACAAAGCCAAGGACCTGCTGTTTCAGAGAGAAGAAGGGATTTCTGAGTTCTCAAGAATGGTG
CTCAATTCATTTCAAGACAGCAATAATTCATATGCAAGGCAGGAATTGCAAAGACTTTATAGGATCTTT
CACTCATGGCTGCAACCAGAAAAGCACAGCAAGGATGAAATTTTCTCTATTAGTCTGGAGCAGTTT
ATGATTGGTGGCCACTGCAATGACAAAGCCAGTGTGAAAGAGAAATGGAAATCAAGTGGCAAAAACCTTG
GAGAGATTCATAGAAGACCTGACTGATGACAGCATAAAATCCACCTGCCTTAGTCCACGTCCACATGCAG
GGACAGGAAGCTCTCTTTCTGAGGATATGCCCTTAAGAGATGTCATTGTTTCATCTCACAAAACAAGTG
AATGCCCAAACCAAGAGAAGCAAACATGGGGACACCCTCCCAGACTTCCCAAGATACTTCCTTAGAA
ACAGGACAAGGATATGAAGATGAACAAGATGGCTGGAACAGTTCTTCGAAAACACTCGAGTAAATGAA
AATATTACTAATCAAGGCAATCAATAGTTTCCCTAATCATCATCCAGGAAGAGAACGGTCTTAGGCCT
GAAGAGGGAGGTGTTTCTTCTGACAACCATACTCAAAAAGAGCAGAGCTAGTCACTGCTAGATCT
CAGGAAGGTCCATAAATGGAATCACTTCCAAGGTGCCCTATGGTGATGGGAGCAGGGTGTATCTCT
CAACCAGAGCAGTCCCTCCCCTGAGTCTGCCCTTACCCACCAGAGCAATGAGGGAAATCCACATGTGAG
GTACATCAGAAAGGATCCCATGGAGTCCAAAAATCATACAAATGTGAAGAATGCCCAAGGTCTTTAAG
TATCTCTGTCACTTATTAGCTCACCAGAGAAGACACAGGAATGAGAGGCCATTTGTTTGTCCCGAGTGT
CAAAAAGGCTTCTTCCAGATATCAGACCTACGGGTGCATCAGATAATTCACACAGGAAAAGACCTTTC
ACATGCAGCATGTGTA AAAAGTCCCTTACGCCACAAAACCAACCTGCGGTCTCATGAGAGAAATCCACACA
GGAGAAAAGCCTTATACATGTCCCTTTTGAAGACAAGCTACCGCCAGTCATCCACATACCACCGCCAT
ATGAGGACTCATGAGAAAATTACCCTGCCAAGTGTTCCTCCACACCAGAAGCTTCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	
ACCN:	NM_152677
Insert Size:	1302 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none"> 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_152677.2
RefSeq Size:	2260 bp
RefSeq ORF:	1302 bp
Locus ID:	201516
UniProt ID:	Q8NAM6
Cytogenetics:	19q13.43
Protein Families:	Transcription Factors
MW:	49 kDa
Gene Summary:	The ZSCAN4 gene encodes a protein involved in telomere maintenance and with a key role in the critical feature of mouse embryonic stem (ES) cells, namely, defying cellular senescence and maintaining normal karyotype for many cell divisions in culture (Zalzman et al., 2010 [PubMed 20336070]).[supplied by OMIM, May 2010]