

Product datasheet for **SC107295**

ZNF282 (NM_003575) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZNF282
Synonyms:	HUB1
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF: >NCBI ORF sequence for NM_003575, the custom clone sequence may differ by one or more nucleotides

ATGCAGTTTGTGTCAACACGGCCGACGCTCAGCAGCTGGGCATCCAGGGCCTGGGGCTGGACAGCGGA
GCTGGAGCTGGGCCAGGCTCTGCCCCGAGGAGGTCTGCCACCAGGAGCCGGCGCTGCGCGGGAAAT
GGCCGAGGGAATGCCGCCATGCAGGCTCAAGAATGGGACATGGACGCCGGCGGCAATGCCTTTTCAG
TTCCACCCCTTTCCAGATAGGGCACCTGTCTTCCCGACCGCATGATGCGAGAGCCCAAGTTGCCACAG
CAGAGATCTCACTCTGGACTGTGGTGGCTGCCATTAGGCTGTGGAGAGGAAGTGGATGCCAGGCCAG
CCAGCTGTGAACCTGGAGGGGCGCACGGGACAGCCGAGAAGAAGCTGGCCGACTGTGAAAAGACGGCC
GTGGAATTTGGGAACCATGGAGAGCAAGTGGCCGTGTGGGACCCCTGTGCAGGAGTACGGGCTGC
TGCAGAGGCGGCTGGAGAAGTTGGAGAAGTTGCTGCGCAACAGGAAGTTCTGGGTCTGCGGCTGCCCC
GGGCAGCAAGGGGAGGCCCAAGGTTCCAGTGACTTTTGTGACATTGCTGTGTACTTCTCCGAAGAC
GAGTGAAGAAGTTGGACGAATGGCAGAAGGAGCTTTATAACAACCTTGTTAAGGAGAAGTACAAAACCC
TCATGTCCCTGGACGGGAGGGCTCAGTCCCCAAGCCAGATGCTCCAGTCCAGGCTGAGCCAGGGAAGA
ACCTTTGTGTGGAGCAGCGCCACCCGAAGAGAGAGAAAATCCCAATGGATCCCGAAGCAGGAGCAGAG
CCCCTGGTGCTGCGCAGGATGCGTCTCCAGGTGAAGCGTGAGGACACCCCTGTGTGTCCGGGTGACG
GGGGCTGGAGGAAGAGCCATCCCTACGGAATCCATTACCGACTCCCCAATTTCTGCCAGGACCTCTT
GTCCCGGATTAAACAGGAGGAGCATCAGTGCCTGTGGATCAGCAGGATTTGGCAGACAGAGATATTCCC
ACGGATCCCAATTAGAGTCTCTCATCTCAGCAGATGACATTTTGTATGGATCAAGCAGGAGGAGCAGC
CATACCCATGGGGACCGCGACTCAATGGACGAGAGCTTGGATTAGACTCTGGCCCTAGTGACAGCCT
GCTGATGGTGAAGAACCACCCCGGCGCCGACAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAG
CTGCAGTCGACGCCAGCCAGCCAGGCTGCCCCCATCGCGGTGGCCGAGAACCAGGGCGGCCCCCGA
GCCGAGGGCTGCTGGACGACGTTTCCAGGTGCTGCCCGGGGAGCGTGGCTCCGGCGAGGCGCGCGGG
TGGGGACCGCAGCACCGGGGCGGGGGGCGATGGGGGCGGTGGGGGCGGCGCGGAGGCGGGGACG
GGGGCAGGCGGGGCTGTGGCAGCTGCTGCCCTGGCGGGTGCAGCGGAGCCTCCTCCTGCACGGCGCCC
GCAGCAAGCCCTACTCGTCCCCGAGTGCAGCAAGAGCTTCGGCGTGCAGCAAGAGCCTCATCATCCACA
CCGACGCCACCAAGGAGCGGCCCTACGAGTGCCTGAGTGCAGAGAAGAGCTTCAACTGCCACTCGGGC
CTCATCCGCCACAGATGACGACCGCGCGAGCGGCCCTACAAGTGTCTCGAGTGCAGAGAAGACCTACA
GCCGTAAGGAGCAGCTGCAGAACCCAGCGGCTGCACAGGGCGAGCGGCTTTCCAATGTGACTGTG
CGGCAAGAGCTTCATCCGCAAGCAGAACCTGCTCAAGCACCAGCGCATCCACAGGGCGAGCGCCCTAC
ACGTGCGGCGAGTGCAGCAAGAGCTTCCGCTACAAGGAGTGCCTCAAGGACCACCTGCGCGTGCACAGCG
GCGGCCCGGGCCCCGGCGCCCCACGGCAGCTCCCGCCGCTCTGAGCGAGACTAG

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_003575 unedited
GGGTCAACATTTGTATACGACTCATATAGGCGGCCGCAATTCGGCACGAGGCACTCCCA
GGATGCAGTTTGTGTCAACACGGCCGACGCTCAGCAGCTGGGCATCCAGGGCCTGGGGC
TGGACAGCGGGAGCTGGAGCTGGGCCAGGCTCTGCCCCGAGGAGGTCTGCCACCAGG
AGCCGGCGCTGCGCGGGAAATGGCCGAGGGAATGCCGCCATGCAGGCTCAAGAATGGG
ACATGGACGCCCCGCGGCAATGCCTTTTCAGTTCCACCCCTTTCCAGATAGGGCACCTG
TCTTCCCCGACCGCATGATGCGAGAGCCCCAGTTGCCACAGCAGAGATCTCACTCTGGA
CTGTGGTGGCTGCCATTAGGCTGTGGAGAGGAAGTGGATGCCAGGCCAGCCAGCTGC
TGAACCTGGAGGGGCGCACGGGACAGCCGAGAAGAAGCTGGCCGACTGTGAAAAGACGG
CCGTGGAATTTGGGAACCATGGAGAGCAAGTGGCCGTGCTGGGGACCTGCTGCAGG
AGTACGGGCTGCTGCAGAGGCGGCTGGAGAAGTTGGAGAAGTTGCTGCGCAACAGGAAGT
TCTGGTCTGCGCTGCCCGGGGAGCAAGGGGAGGCCCAAGGGTCCAGTGACTN
TTGTCGACATTGCTGTGTAATCTCCGAAGACGAGTGAAGAACTGGACGAATGGCAGA
AGGAGCTTTATAACAACCTTGTTAAGGAGAAGTACANAACCTCATGTNCTGAGNACGCG
AGGGCTCAGTCCCCAAGCCAGATGCTCCAGTCCAGGCTGAGCCAGGGAAGAAGCTGTGT
GTGGGAGCAGCGCCACCCGAGAGAGAGAAATCCNATGGATCCCCGAGCAGACAGAGCCC
TGGTGTGCGCAGAGCTCTCCAGTGAC

Restriction Sites: NotI-NotI

ACCN: NM_003575

Insert Size:	4000 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_003575.1, NP_003566.1</u>
RefSeq Size:	3736 bp
RefSeq ORF:	2016 bp
Locus ID:	8427
UniProt ID:	<u>Q9UDV7</u>
Cytogenetics:	7q36.1
Protein Families:	Transcription Factors
Gene Summary:	Binds to the U5 repressive element (U5RE) of the human T cell leukemia virus type I long terminal repeat. It recognizes the 5'-TCCACCCC-3' sequence as a core motif and exerts a strong repressive effect on HTLV-I LTR-mediated expression.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).