

Product datasheet for **RC210057**

ZNF282 (NM_003575) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF282 (NM_003575) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF282
Synonyms:	HUB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC210057 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

 ATGCAGTTTGTGTCAACACGGCCGAGCCTCAGCAGCTGGGCATCCAGGGCCTGGGGCTGGACAGCGGA
GCTGGAGCTGGGCCAGGCTCTGCCCCGGAGGAGGTCTGCCACCAGGAGCCGGCCTGCGCGGGGAAAT
GGCCGAGGGAATGCCGCCATGCAGGCTCAAGAATGGGACATGGACGCCCGGCGGCAATGCCTTTTCAG
TTCCACCCCTTTCCAGATAGGGCACCTGTCTTCCCCGACCGCATGATGCGAGAGCCCCAGTTGCCACAG
CAGAGATCTCACTCTGGACTGTGGTGGCTGCCATTAGGCTGTGGAGAGGAAGTGGATGCCAGGCCAG
CCAGCTGCTGAACCTGGAGGGGCGACGGGGACAGCCGAGAAGAAGCTGGCCGACTGTGAAAAGACGGCC
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GAGTGGAGAAGTGGACGAATGGCAGAAGGAGCTTTATAACAACCTTGTTAAGGAGAAGTACAAAACCC
TCATGTCCCTGGACGCGGAGGGCTCAGTCCCCAAGCCAGATGCTCCAGTCCAGGCTGAGCCCAGGGAAGA
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ACGTGCGGCGAGTGCAGCAAGAGCTTCCGCTACAAGGAGTTCGCTCAAGGACCACCTGCGCGTGCACAGCG
GCGGCCGGGCCCCGGCGCCCCACGGCAGCTCCCGCCGCTCCTGAGCGAGAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210057 protein sequence
Red=Cloning site Green=Tags(s)

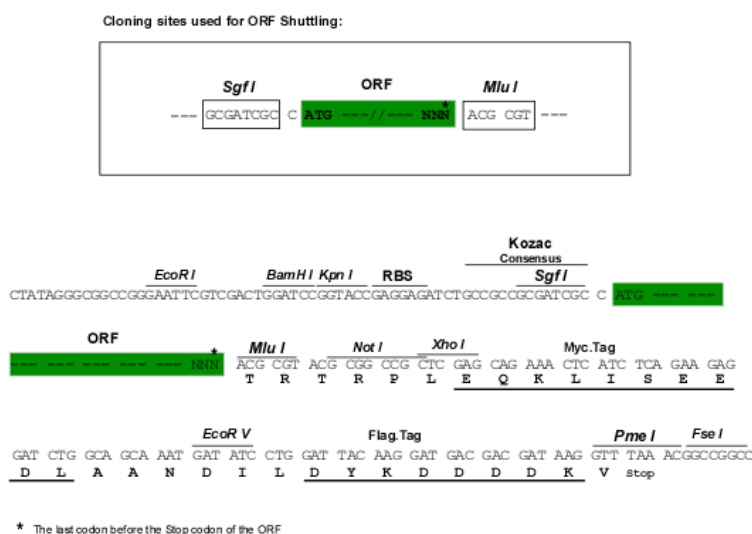
MQFVSTRPQPQQLGIQGLGLDSGSWSWAQALPPEEVCHQEPALRGEMAEGMPPMQAQEWDMDARRPMPFQ
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 EWKNLDEWQKELYYNLVKENYKTLMSLDAEGSVPKDPAPVQAEPREEPCVWEQRHPEEREIPMDPEAGAE
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 GAGGGCGSCCPGGLRRSLLLHGARSKPYSCPECCKSFQVGRKSLIIHRSHTKERPYEACAECKSFNCHSG
 LIRHQMTHRGERPYKCECKTYSRKEHLQNHQRLHTGERPFCQALCGKSFIRKQNLKHKQRIHTGERPY
 TCGECKGSFRYKESIKDHLRVHSGGPGPGAPROLPPPPERD

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6774_c09.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_003575

ORF Size: 2013 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_003575.4](#)

RefSeq Size: 3736 bp

RefSeq ORF: 2016 bp

Locus ID: 8427

UniProt ID: [Q9UDV7](#)

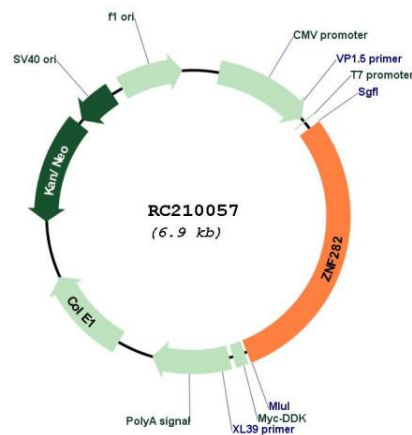
Cytogenetics: 7q36.1

Protein Families: Transcription Factors

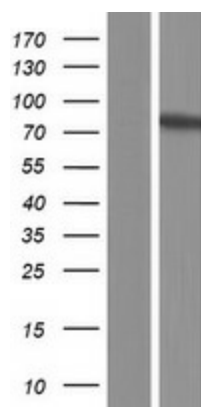
MW: 74.3 kDa

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]

Product images:



Circular map for RC210057



Western blot validation of overexpression lysate (Cat# [LY418582]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210057 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).