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Product datasheet for RC207393

ZNF181 (NM_001029997) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ZNF181
Synonyms:	HHZ181
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC207393 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGAGAAAAAACTGTCAAAAGGTATGATTCCAGATTGGGAATCAAGATGGGAAAACAAGGAATTAT
CAACAAAGAAGGATAATTATGATGAAGATTCACCCCAAACAGTAATAATAGAAAAAGTTGTAAAACAAAG
TTATGAATTTTCAAATTCTAAGAAGAATTTGGAATATATAGAGAAGTTGGAAGGGAAGCATGGAAGTCAG
GTAGACCATTTCAGACCAGCAATTCTCACCTCTAGAGAAAGCCCCACTGCAGACAGTGTTTACAAATACA
ATATATTTAGAAGCACCTTTCATTCAAAGTCTACTCTTTCTGAACCACAAAAAATTTCTGCTGAAGGGAA
TTCACACAAATATGATATATTAAAGAAGAACTTACCAAAAAAGTCAGTTATAAAAAATGAGAAAGTCAAT
GGTGGAAAGAAACTTTTGAATTCTAATAAAAGTGGGGCAGCCTTCAGCCAGGGCAAATCTCTTACCCTTC
CCCAGACTTGTAATAGAGAGAAAATCTATACATGCAGTGAATGTGGGAAAGCCTTTGGCAAACAGTCAAT
CCTCAATCGCCACTGGAGAATTCATACAGGAGAGAAGCCCTATGAATGTCGTGAATGTGGGAAGACTTTT
AGCCATGGCTCATCCCTTACACGACATCTGATAAGCCATAGTGGAGAGAAACCTTACAAATGTATTGAAT
GTGGGAAGGCCTTTAGCCATGTCTCATCACTTACTAACCATCAGAGCACTCACACTGGAGAGAAACCATA
TGAATGTATGAACTGTGGAAAGTCTTTTAGTCGTGTGTCCCATCTTATTGAACATCTAAGAATTCATACT
CAAGAAAAACTCTATGAGTGTCGTATATGTGGAAAGGCCTTCATTCATAGGTCATCTCTCATTCACCATC
AGAAAATCCATACTGGAGAGAAGCCTTATGAATGTAGAGAATGTGGGAAAGCTTTCTGCTGTAGCTCACA
CCTTACTCGACATCAAAGAATTCACACTATGGAGAAACAATATGAATGCAACAAATGTCTGAAAGTCTTT
AGTAGCCTCTCATTTCTTGTTCAGCATCAGAGTATTCATACTGAAGAAAAACCCTTTGAATGTCAGAAAT
GCAGGAAATCCTTCAACCAGCTTGAATCACTGAATATGCATTTGAGAAATCACATTAGATTGAAACCCTA
CGAATGCAGTATATGTGGGAAAGCCTTTAGTCATAGGTCATCCCTGCTTCAACATCACAGAATTCATACT
GGAGAGAAACCTTATGAATGTATTAAATGTGGGAAGACCTTCAGCTGTAGTTCAAACCTTACCGTACATC
AGAGAATTCACACTGGAGAAAAGCCATATAAATGTAATGAGTGTGGGAAAGCTTTTAGCAAAGGCTCAAA
TCTTACTGCCCATCAAAGAGTACATAATGGAGAGAAACCCAATAGTGTGGTAAGTGTGGAAAAGCCTTTA
GACTATATGAATCACTATACATGTGAGAAATCTTACAGAAGAGAAACTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207393 protein sequence
Red=Cloning site Green=Tags(s)

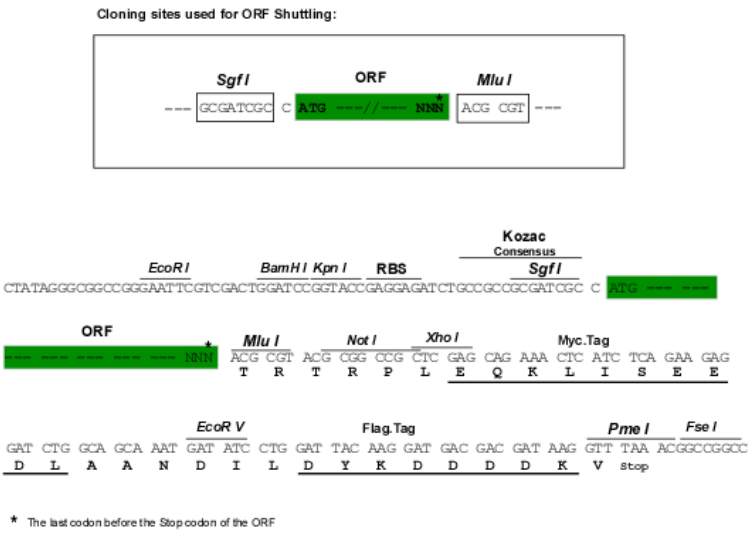
MMEKKLSKGMIPDWESRWENKELSTKKDNYDEDSPQTVIIEKVVKQSYEFSNSKKNLEYIEKLEGKHGSQ
VDHFRPAILTSRESPTADSVYKYNIFRSTFHSKSTLSEPQKISAEGNSHKYDILKKNLPKKSVIKNEKVN
GGKKLLNSNKSGAAFSQGKSLTLPQTCNREKIYTCSECGKAFGKQSILNRHWRIHTGEKPYECRECGKTF
SHGSSLTRHLISHSGEKPYKCIECGKAFSHVSSLTNHQSTHTGEKPYECMNCGKSFSRVSHLIEHLRIHT
QEKLYECRICGKAFIHRSSLIHHQKIHTGEKPYECRECGKAFCCSSHLTRHQRIHTMEKQYECNKCLKVF
SSLSFLVQHQSIHTEEKPFECQKCRKSFNQLESLNMHLRNHIRLKPYECSICGKAFSHRSSLLQHHRIHT
GEKPYECIKCGKTFSCSSNLTVHQRIHTGEKPYKCNECGKAFSKGSNLTAHQRVHNGEKPNSVVSVEKPL
DYMNHYTCEKSYRRETV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6365_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001029997

ORF Size: 1521 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_001029997.2

RefSeq Size: 2951 bp

RefSeq ORF: 1716 bp

Locus ID: 339318

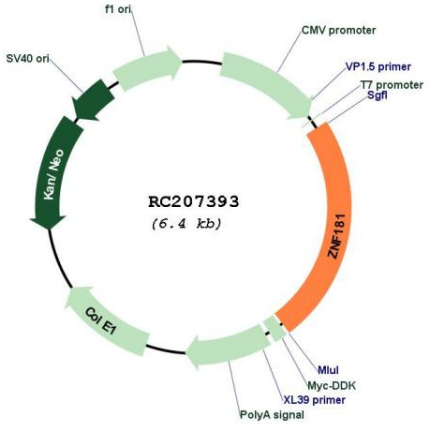
UniProt ID: Q2M3W8

Cytogenetics: 19q13.11

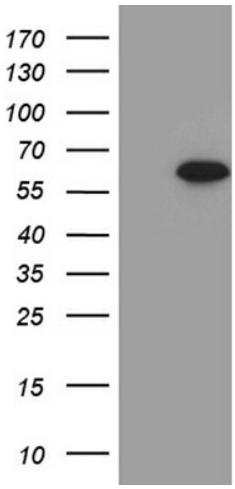
MW: 58.5 kDa

Gene Summary: Zinc finger proteins have been shown to interact with nucleic acids and to have diverse functions. The zinc finger domain is a conserved amino acid sequence motif containing 2 specifically positioned cysteines and 2 histidines that are involved in coordinating zinc. Kruppel-related proteins form 1 family of zinc finger proteins. See MIM 604749 for additional information on zinc finger proteins.[supplied by OMIM, Jul 2003]

Product images:



Circular map for RC207393



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZNF181 (Cat# RC207393, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-ZNF181 (Cat# [TA811490])(1:2000).