OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC208740

ZNF175 (NM_007147) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF175 (NM_007147) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF175
Synonyms:	OTK18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC208740 representing NM_007147
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTGCTGATGTGAATTTATCCCAGAAGCCTCAGGTCCTGGGTCCAGAGAAGCAGGATGGATCTTGCG
AGGCATCAGTGTCATTTGAGGACGTGACCGTGGACTTCAGCAGGGAGGAGTGGCAGCAACTGGACCCTGC
CCAGAGATGCCTGTACCGGGATGTGATGCTGGAGCTCTATAGCCATCTCTTCGCAGTGGGGTATCACATT
CCCAACCCAGAGGTCATCTTCAGAATGCTAAAAGAAAAGGAGCCGCGTGTGGAGGAGGCTGAAGTCTCAC
ATCAGAGGTGTCAAGAAAGGGAGTTTGGGCTTGAAATCCCACAAAAGGAGATTTCTAAGAAAGCTTCATT
TCAAAAGGATATGGTAGGTGAGTTCACAAGAGATGGTTCATGGTGTTCCATTTTAGAAGAACTGAGGCTG
GATGCTGACCGCACAAAGAAAGATGAGCAAAATCAAATTCAACCCATGAGTCACAGTGCTTTCTTCAACA
AGAAAACATTGAACACAGAAAGCAATTGTGAATATAAGGACCCTGGGAAAATGATTCGCACGAGGCCCCA
CCTTGCTTCTTCACAGAAACAACCTCAGAAATGTTGCTTATTTACAGAAAGTTTGAAGCTGAACCTAGAA
GTGAACGGTCAGAATGAAAGCAATGACACAGAACAGCTTGATGACGTTGTTGGGTCTGGTCAGCTATTCA
GCCATAGCTCTTCTGATGCCTGCAGCAAGAATATTCATACAGGAGAGACATTTTGCAAAGGTAACCAGTG
TAGAAAAGTCTGTGGCCATAAACAGTCACTCAAGCAACATCAAATTCATACTCAGAAGAAACCAGATGGA
TGTTCTGAATGTGGGGGGAGCTTCACCCAGAAGTCACACCTCTTTGCCCAACAGAGAATTCATAGTGTAG
GAAACCTCCATGAATGTGGCAAATGTGGAAAAGCCTTCATGCCACAACTAAAACTCAGTGTATATCTGAC
AGATCATACAGGTGATATACCCTGTATATGCAAGGAATGTGGGAAGGTCTTTATTCAGAGATCAGAATTG
CTTACGCACCAGAAAACACACACTAGAAAGAAGCCCTATAAATGCCATGACTGTGGAAAAGCCTTTTTCC
AGATGTTATCTCTCTTCAGACATCAGAGAACTCACAGTAGAGAAAAACTCTATGAATGCAGTGAATGTGG
CAAAGGCTTCTCCCAAAACTCAACCCTCATTATACATCAGAAAATTCATACTGGTGAGAGACAGTATGCA
TGCAGTGAATGTGGGAAAGCCTTTACCCAGAAGTCAACACTCAGCTTGCACCAGAGAATCCACTCAGGGC
AGAAGTCCTATGTGTGTATCGAATGCGGGCAGGCCTTCATCCAGAAGGCACACCTGATTGTCCATCAAAG
AAGCCACACAGGAGAAAAACCTTATCAGTGCCACAACTGTGGGAAATCCTTCATTTCCAAGTCACAGCTT
GATATACATCATCGAATTCATACAGGGGAGAAACCTTATGAATGCAGTGACTGTGGAAAAACCTTCACCC
AAAAGTCACACCTGAATATACACCAGAAAATTCATACTGGAGAAAGACACCATGTATGCAGTGAATGCGG
GAAAGCCTTCAACCAGAAGTCAATACTCAGCATGCATCAGAGAATTCACACCGGAGAGAAGCCTTACAAA
TGCAGTGAATGTGGGAAAGCCTTCACTTCTAAGTCTCAATTCAAAGAGCATCAGCGAATTCACACGGGTG
AGAAACCCTATGTGTGCACTGAATGTGGGAAGGCCTTCAACGGCAGGTCAAATTTCCATAAACATCAAAT
AACTCACACTAGAGAGAGGCCTTTTGTCTGTTACAAATGTGGGAAGGCTTTTGTCCAGAAATCAGAGTTG
ATTACCCATCAAAGAACTCACATGGGAGAGAAACCCTATGAATGCCTTGACTGTGGGAAATCGTTCAGTA
AGAAACCACAACTCAAGGTGCATCAGCGAATTCACACGGGAGAAAGACCTTATGTGTGTTCTGAATGTGG
AAAGGCCTTCAACAACAGGTCAAACTTCAATAAACACCAAACAACTCATACCAGAGACAAATCTTACAAA
TGCAGTTATTCTGTGAAAGGCTTTACCAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208740 representing NM_007147
Red=Cloning site Green=Tags(s)

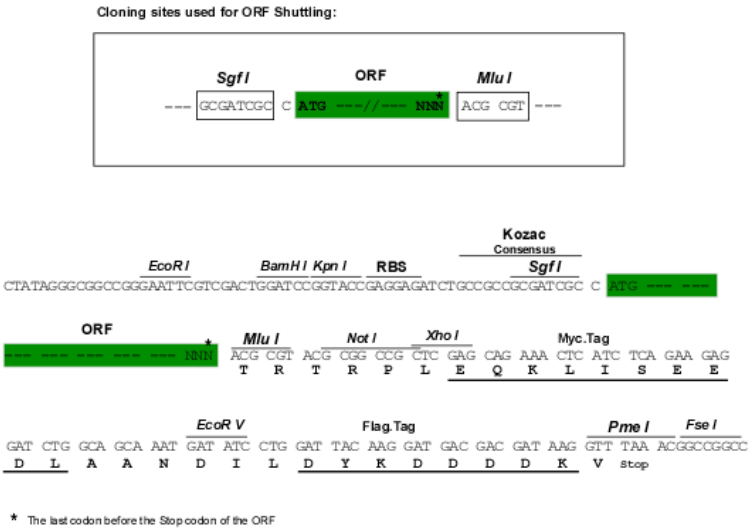
MPADVNLSQKPQVLGPEKQDGSCEASVSFEDVTVDFSREEWQQLDPAQRCLYRDVMLELYSHLFAVGYHI
PNPEVIFRMLKEKEPRVEEAEVSHQRCQEREFGLEIPQKEISKKASFQKDMVGEFTRDGSWCSILEELRL
DADRTKKDEQNQIQPMSHSAFFNKKTLNTESNCEYKDPGKMIRTRPHLASSQKQPQKCCLFTESLKLNLE
VNGQNESNDTEQLDDVVGSGQLFSHSSSDACSKNIHTGETFCKGNQCRKVCGHKQSLKQHQIHTQKKPDG
CSECGGSFTQKSHLFAQQRIHSVGNLHECGKCGKAFMPQLKLSVYLTDHTGDIPCICKECGKVFIQRSEL
LTHQKTHTRKKPYKCHDCGKAFFQMLSLFRHQRTHSREKLYECSECGKGFSQNSTLIIHQKIHTGERQYA
CSECGKAFTQKSTLSLHQRIHSGQKSYVCIECGQAFIQKAHLIVHQRSHTGEKPYQCHNCGKSFISKSQL
DIHHRIHTGEKPYECSDCGKTFTQKSHLNIHQKIHTGERHHVCSECGKAFNQKSILSMHQRIHTGEKPYK
CSECGKAFTSKSQFKEHQRIHTGEKPYVCTECGKAFNGRSNFHKHQITHTRERPFVCYKCGKAFVQKSEL
ITHQRTHMGEKPYECLDCGKSFSKKPQLKVHQRIHTGERPYVCSECGKAFNNRSNFNKHQTTHTRDKSYK
CSYSVKGFTKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2917_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007147

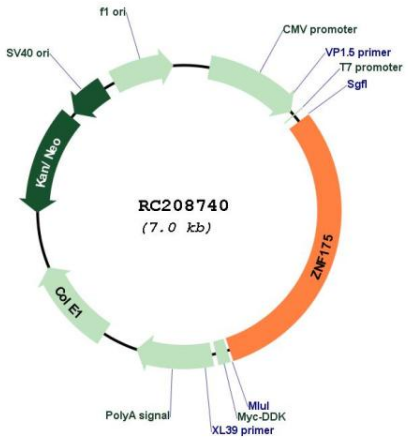
ORF Size: 2133 bp

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

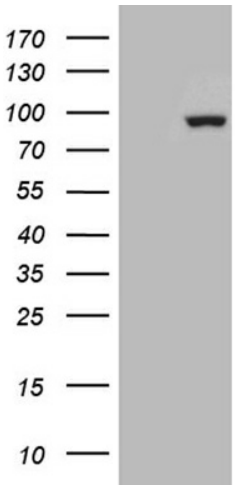
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
RefSeq:	NM_007147.4
RefSeq Size:	3788 bp
RefSeq ORF:	2136 bp
Locus ID:	7728
UniProt ID:	Q9Y473
Cytogenetics:	19q13.41
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
MW:	81.4 kDa
Gene Summary:	Down-regulates the expression of several chemokine receptors. Interferes with HIV-1 replication by suppressing Tat-induced viral LTR promoter activity.[UniProtKB/Swiss-Prot Function]

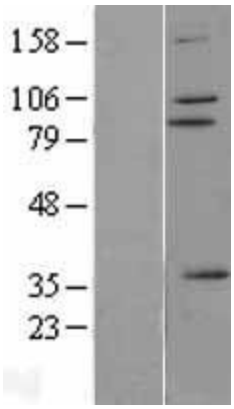
Product images:



Circular map for RC208740



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY ZNF175 (Cat# RC208740, 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-ZNF175 (Cat# [TA810669])(1:2000). Positive lysates [LY416153] (100ug) and [LC416153] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416153]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208740 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).