

Product datasheet for **RC206659**

ZU5 (UNC5CL) (NM_173561) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZU5 (UNC5CL) (NM_173561) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZU5
Synonyms:	MUXA; ZUD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206659 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGCCCCAGGAGAGTTCATTCCAACCTCCAGTTCCTACTGCTGGTGGGGTCCAGTGGCAAGTGT
 TCCTCCTTCTGGCCCAATGCCTTCGATGGCACTGCCCTAGAAGGCTGCTGGGGCCCTGCTGGACACTGAA
 TGGTCAAGAGGAACCAAGTGTCCAGCCTACCCCAACTAGAAAATGAGGTCTCAAGGCAGCACCTGCCA
 GCCACACTGCCAGAGATGGTTGCCTTCTACCAGGAGCTACACACACCCACTCAAGGCCAGACCATGGTCC
 GCCAGTTGATGCACAACTGTTGGTGTTCGGCTCGAGAGGTGGATCACCGCGCGGTTGCCTGATGCT
 CCAGGATACAGGCATCTCCTTGCTATCCACCAGGTGCTGTGGCTGTGGGCCGCCAGGAGCGGGTGTCT
 TTGATCCTGGTGTGGGACCTGTCGGACGCCCATCGCTGTCCCAAGCCAGGGGTGGTAAGCCCTGTGG
 TGGCATGTGGCCCCATGGGGCCTCCTTCTGAAGCCTTGCACTCTCACGTTCAAACACTGTGCCGAGCA
 GCCCAGCCATGCTCGACCTACAGCAGCAACACTACCCTGCTGGATGCCAAGGTATGGAGCCCCCTGGGG
 CGGCCGGGGGCCACGCCTCCCGGGATGAGTGTGCATCCACCTCTCCCACTTACGCCTCTACACCTGTG
 TGTGGAGGCACCTGTGGGGCGCAAGCCCGAAATGGCTGCAGCTGGCCGATTCTGCTCACCGCTGGT
 GCCAGGACAGTCCCATCTGCAACTGCGTATCTACTTCTCAACAACACGCCCTGCGCCCTGCAGTGGGCA
 CTGACCAACGAGCAGCCCCATGGTGGGCGCTGCGTGGGCCCTGCCAGCTCTTCGACTTCAATGGGGCTA
 GGGGCGACCAAGTGCCTGAAGCTCACGTACATCTCAGAGGGTTGGGAGAATGTGGATGACAGCAGTTGCCA
 GCTGGTCCCCATCTCCACATCTGGCATGGAAGTGCCTTCCGCTCCTTCTGCTTCCGGAGAAAAGCA
 GCCGATGAGAATGAGGACTGTTACAGCACTAACCAATGAGATCATTGTACCATGCACACCTTCCAGGATG
 GCTTGGAGACCAAGTATATGGAATCCTCAGATCCAGGCATCAGAGGAGGAATCCTGGGACAGCCACC
 ACCTGTTTCCAGCCGCCCATGCAATAGGCTGCCCCAGAGCTCTTTGAGCAGCTGCGGATGTTATTG
 GAGCCAAACAGCATCACCGCAATGACTGGCGGACTGGCTCCACCTGGGGCTTTGCGGCATGAAGA
 TCCGGTTCCTGTCTGCCAGCGCAGCCCGCAGCGCCATCCTGGAGTTGTTGAGGAGCAGAACGGCAG
 CCTGCAGGAGCTGCACTACCTCATGACCGTATGGAGCGGCTAGACTGCGCCTCCGCCATCCAGAACTAC
 CTGAGTGGGACACAGCGCGCAGCCAGGCCCGAGCGCGGGGGCGCCGGGATAACCAGGGCTGGAGC
 TGGACGAGAAGCTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206659 protein sequence
 Red=Cloning site Green=Tags(s)

MCPQESSFQPSQFLLL VGVPVASVLLLLAQCLRWHCPRRLLGACWTLNGQEPPVSPQTPQLENEVSRQHL
 ATLPEMVAFYQELHTPTQGQTMVRQLMHKLLVFSAREVDHRGGCLMLQDTGISLLIPPGAVAVGRQERVS
 LILVWDLSDAPSLSQAQGLVSPVACGPHGASFLKPCITLTFKHCAEQPSHARTYSSNTLLDAKVWRPLG
 RPGAHASRDECRHLSHFSLYTCVLEAPVGREARKWLQLAVFCSPLVPGQSHLQLRIYFLNNTPCALQWA
 LTNEQPHGGRLRGPCQLFDNFGARGDQCLKLTYISEGWENVDDSSQLVPHLHIWHGKCFRFSFCFRKA
 ADENEDCSALTNEIIVTMHTFDGLETKYMEILRFQASEEESWAAPPVSPQPPCNRLPELFEQLRMLL
 EPNSITGNDWRGLASHLGLCGMKIRFLSCQRSPAAAILELFEEQNGSLQELHYLMTVMERLDCASAIQNY
 LSGTHGGSPGPERGGARDNQGLELDEKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6231_e04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_173561

ORF Size: 1554 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_173561.1](#), [NP_775832.1](#)

RefSeq Size: 3128 bp

RefSeq ORF: 1557 bp

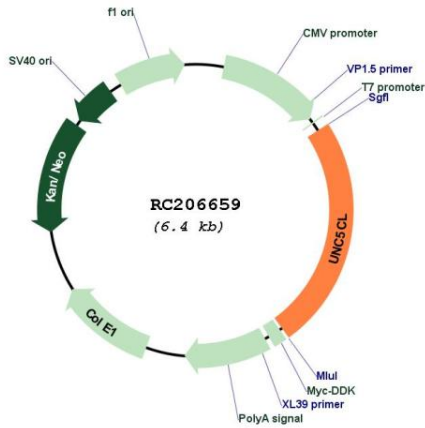
Locus ID: 222643

UniProt ID: [Q8IV45](#)

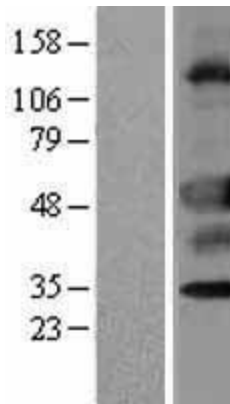
Cytogenetics: 6p21.1

Protein Families: Transmembrane
MW: 57.7 kDa
Gene Summary: Inhibits NF-kappa-B-dependent transcription by impairing NF-kappa-B binding to its targets. [UniProtKB/Swiss-Prot Function]

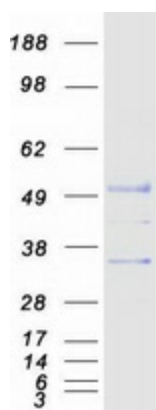
Product images:



Circular map for RC206659



Western blot validation of overexpression lysate (Cat# [LY406472]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206659 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UNC5CL protein (Cat# [TP306659]). The protein was produced from HEK293T cells transfected with UNC5CL cDNA clone (Cat# RC206659) using MegaTran 2.0 (Cat# [TT210002]).