

Product datasheet for **RC211579**

ZNF512B (NM_020713) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF512B (NM_020713) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF512B
Synonyms:	GM632
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC211579 ORF sequence

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

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGACGGATCCTTCTGCGTTGGAGGCCGTCGGCTCCCGGGTCCAGCAAGAGTGGTCCCGGAAGGATG
 GCAGCCGAAAGGAGGTCCGACTTCCAATGCTGCATGACCCACCGAAGATGGGGATGCCGGTGGTCCGTGG
 TGGACAGACAGTGCCCGGCCAGGCCCTCTCTGCTTTGACCCGGGAAGTCCAGCCAGTGACAAGACAGAA
 GGGAAAGAAAAGGGCGGCCAAAAGCCGAGAACAGGCCCTCCGAGACATTCTCTCTCCCTGATGAACG
 ACTGGAAGGATGAGTTCAAGGCACACTCGAGGGTGAAGTGTCAAACCTCAGGGTGTGGCTGGAGTTCCC
 CAGCATCTACGGGCTCAAGTACCATTACCAGCGGTGCCAAGGGGGTGCCATCTCAGATCGCTGGCTTC
 CCCTGCCCTTCTGCGAGGCCGATTACCTCTAAGACCCAGCTGGAGAAACACCGGATCTGGAACCACA
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 GGCATCAGCAAGCCAGTCTCGGTCCGACAGCCATGCCAGTACCAAGGCCATCCCGGTCACTAGGCCCG
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 CATCAGTACCAAGTCTGTGCCGGTACCAAAACCCGTACCTGTACCAAAACCCATTACGGTACAAAAG
 CTTGTGACAGTTACGAAACCCGTGCCGGTACCAAGCCAGTGACAGTCAAGGCCCATTTGTGGTCAAGCA
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 CAGGTCCGAGAACAAAGCACCTCGTGCCACAGGAGGAACAGTGGTAAGAAAAGGGCTGCGGACAGCCTG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211579 protein sequence
 Red=Cloning site Green=Tags(s)

MTDPFCVGGRRLLPGSSKSGPGKDGSRKEVRLPMLHDPPKMGPVVRGGQTPVGPAPLCFDPGSPASDKTE
 GKKKGKRPKAENQALRDIPLSLMNDWKDEFKAHSRVKCPNSGCWLEFPSTIYGLKYHYQRCQGGAI SDRLAF
 PCPFCEAAFTSKTQLEKHRIWNHMDRPLASKPGPISRPTISRPGVSKPIGVSKPVTIGKPVGVSKPI
 GISKPVSVGRMPVTKAIPVTRPVVTKPVTVSRPMPVTKAMPVTKPITVTKSVPTKPVPTKPIVTK
 LVTVTKPVPTKPVTVSRPIVVSVPVTVSRPIAISRHTPPCKMVLTRSENKAPRATGRNSGKKRAADSL
 DTCPIPPKQARPENGEYGPSSMGQSSAFQLSADTSSGSLSPGSRPSGGMEALKAAGPASPEEDPERTKH
 RRKQKTPKKFTGEQPSISGTFGLKGLVKAEDKARVHRSKKQEGPGPEDARKKVPAPITVSKEAPAPVAH
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 ELARDWTKRRMKDDLVPETARLNYTRPGLPTLNPQLLEAWKNEVKEKGHVNCNDCEAIYSSVSGLKAH
 LASCCKGAHLAGKYRCLLCPKEFSSESGVYHILKTHAENWFRTSADPPPKHRSQDSLVPKKEKKKNLAG
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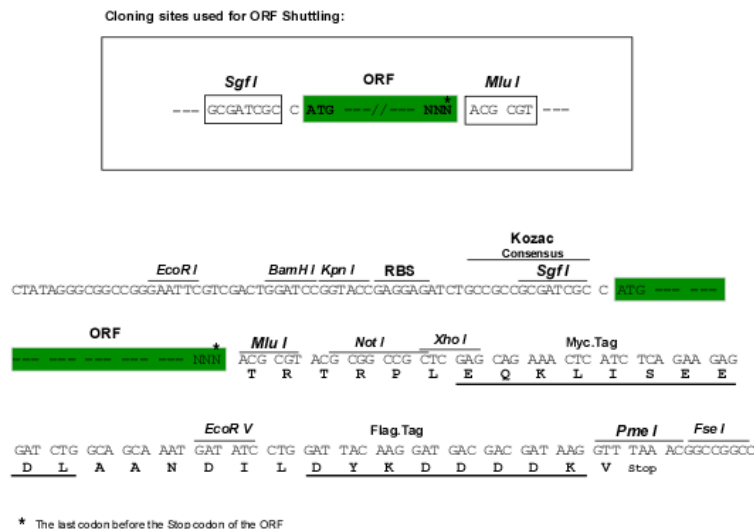
Chromatograms:

https://cdn.origene.com/chromatograms/mk6688_b09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

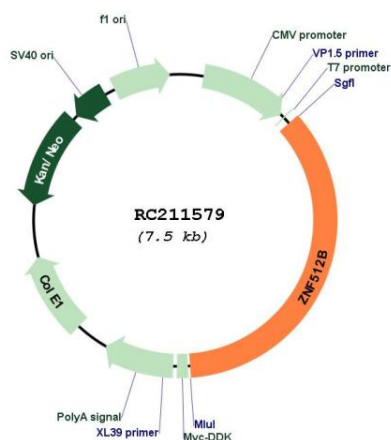


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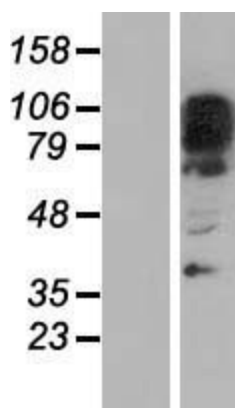
NM_020713

ORF Size:	2676 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_020713.3
RefSeq Size:	5938 bp
RefSeq ORF:	2679 bp
Locus ID:	57473
UniProt ID:	Q96KM6
Cytogenetics:	20q13.33
MW:	97.3 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211579



Western blot validation of overexpression lysate (Cat# [LY412343]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211579 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).