

Product datasheet for **RC208546**

ZNF179 (RNF112) (NM_007148) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF179 (RNF112) (NM_007148) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF179
Synonyms:	BFP; ZNF179
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC208546 representing NM_007148
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAAGGCCCGCCTTGTCACTCACTTCTTTTGTATCGGCTTGGCAAACGGGAGAGAAAACAGAGCT
 TCATGGGAAACAGCGGCAACAGTTGGTCCCATACACCTTTCCCAAGTTGGAGCTAGGCCTGGGGCCCCA
 GCCCATGGCGCCCCGGGAGCTCCCTACCTGCTCCATCTGCCTGGAGAGGTTGCGCGACCCCATCTCGCTG
 GACTGTGGCCACGACTTCTGCATACGGTCTTACGACACACCGTCTCCCGGGCTGTGAGCCGCCCTGCT
 GTCCTGAGTGCCGAAGATATGCAAGCAGAAGAGGGGCCCTCCGAGCCTGGGCGAGAAGATGAAGCTCCT
 GCCGCAGCGGCCGCTGCCCCCTGCACTGCAGGAGACGTGTCTGTGAGGGCGGAGCCGCTGCTGCTGGT
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 CAGGGAACAAGGATCAAGCTCTGTGCTCTACACGATGCTGAGCTCCTACCAGATCCTCAGCACCTCC
 CAGGAGCTGAAGGATACAGACCTGGACTATCTGGAGATGTTTGTCCACGTGGCCGAGGTGATGGGCAAGC
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 AGTGGGCTGCATGGAGAAGGAGGAGGATGAGAGGCTTCTGGAAGGGGACCGAGAGCCCTTCTCCAGGAA
 GAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208546 representing NM_007148
 Red=Cloning site Green=Tags(s)

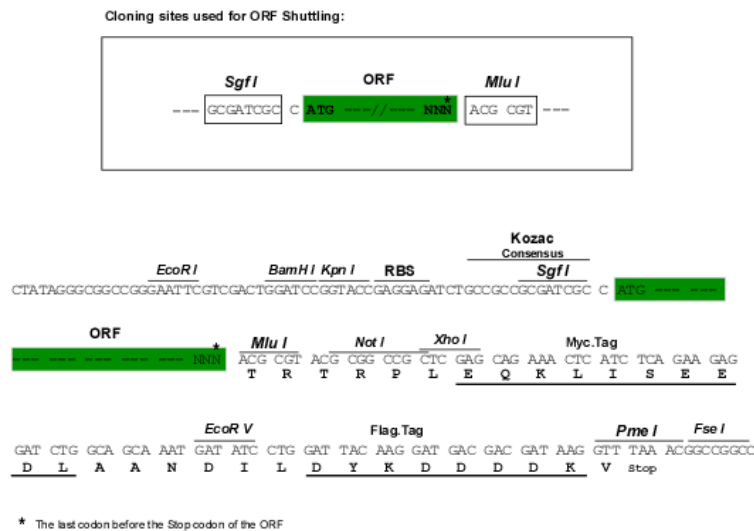
MPRPALSVTSFCHRLGKRERKQSFMGNSGNSWSHTPFPKLELGLGPMPAPRELPTCSICLERLRDPISL
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 QELKDTLDYLEMFVHVAEVMGKHGMVPIQHLDLLVRDSSHNPAGQGHVGNIFQRLSGRYPKVQELLQ
 GKRARCCLLPAPGRRRMNQGHASPGDTHHLLGAYVSDVLSAAPQHAKSRCQGYWNEGRAVARGDRR
 LLTGQQLAQEIKNLSGWMGRTGPGFTSPDEMAQLHDLRKVEAAKREFEEYVRQQDVATKRIFSLRVLP
 DTMNLLSTQKDAILARHGVALLCGRDQTLAEALQATAKAFMDSYTMRFCHLAAVGGAVGAGLMG
 LAGGVVGAGMAAAALAAEAGMVAAGAAGATGAAVVGGVGAGLAATVGCMEKEEDERLLEGDREPLLQE
 E

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2876_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007148

ORF Size: 1893 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_007148.5](#)

RefSeq Size: 3101 bp

RefSeq ORF: 1896 bp

Locus ID: 7732

UniProt ID: [Q9ULX5](#)

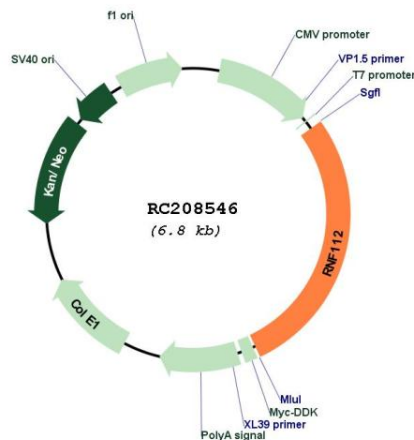
Cytogenetics: 17p11.2

Protein Families: Transmembrane

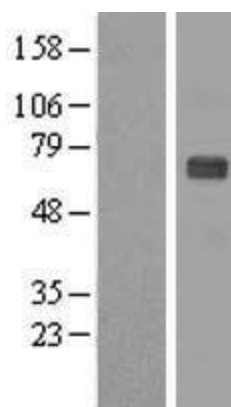
MW: 68.1 kDa

Gene Summary: This gene encodes a member of the RING finger protein family of transcription factors. The protein is primarily expressed in brain. The gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]

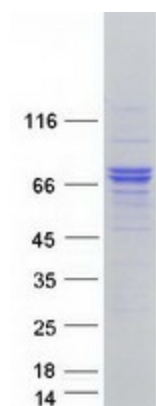
Product images:



Circular map for RC208546



Western blot validation of overexpression lysate (Cat# [LY416154]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208546 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified RNF112 protein (Cat# [TP308546]). The protein was produced from HEK293T cells transfected with RNF112 cDNA clone (Cat# RC208546) using MegaTran 2.0 (Cat# [TT210002]).