

Product datasheet for **RG208546**

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:	TurboGFP
Symbol:	ZNF179
Synonyms:	BFP; ZNF179
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208546 representing NM_007148
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCCAAGGCCCGCCTTGTCACTCACTTCTTTTGTATCGGCTTGGCAAACGGGAGAGAAAAACAGAGCT
 TCATGGGAAACAGCGGCAACAGTTGGTCCCATACACCTTTCCCAAGTTGGAGCTAGGCCTGGGGCCCCA
 GCCCATGGCGCCCCGGGAGCTCCCTACCTGCTCCATCTGCCTGGAGAGGTTGCGCGACCCCATCTCGCTG
 GACTGTGGCCACGACTTCTGCATACGGTCTTACGACACACCGTCTCCCGGGCTGTGAGCCGCCCTGCT
 GTCCTGAGTGCCGGAAGATATGCAAGCAGAAGAGGGGCCCTCCGAGCCTGGGCGAGAAGTGAAGCTCCT
 GCCGCAGCGGCCCTGCCCTGCACTGCAGGAGAGCTGTCTGTGAGGGCGGAGCCGCTGCTGCTGGTT
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 CCATTTGCTTCAGGGCTTGCCGGCCCTGGAGTCTGGTGAAGGGCGCCGGCAAGAGGAGGAGAGGCATCC
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 TGGGGAAGAAGAAGGAAGAAGGTGGCGGTGTTCTGGTGGACACAGGGGATGCCATGAGCCCTGAGCTGAG
 CAGGGAACAAGGATCAAGCTCTGTGCTCTACCACGATGCTGAGCTCCTACCAGATCCTCAGCACCTCC
 CAGGAGCTGAAGGATACAGACCTGGACTATCTGGAGATGTTTGTCCACGTGGCCGAGGTGATGGGCAAGC
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 GGAAGCGAGCCCGTTGCTGCCTTCTGCCTGCCCAGGGAGGCGGCGGATGAACCAAGGCCATGCAAGCC
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 GACACCATGCGGAACCTCCTCTCCACCCAGAAAGATGCCATTCTGGCCCGCCATGGTGTGGCCTTACTCT
 GCAAGGGGAGAGATCAGACCTTGGAGGCACTGGAAGCTGAGCTGCAGGCCACGCCAAGGCCTTCATGGA
 CTCCTACAGATGCGCTTCTGTGGCCACCTAGCTGCTGTGGGGGTGCTGTGGGGGCCGGGCTCATGGC
 CTGGCAGGGGGCTGGTGGGTGCTGGCATGGCAGCAGTGCAGTGGCTGCAGAGGCTGGGATGGTGGCTG
 CTGGAGCTGCCGTGGGGGCCACAGGGGCCGCTGTGGTTGGGGGTGGCGTGGGTGCTGGGTTGGCTGCCAC
 AGTGGGCTGCATGGAGAAGGAGGAGGATGAGAGGCTTCTGGAAGGGGACCGAGAGCCCTTCTCCAGGAA
 GAG

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

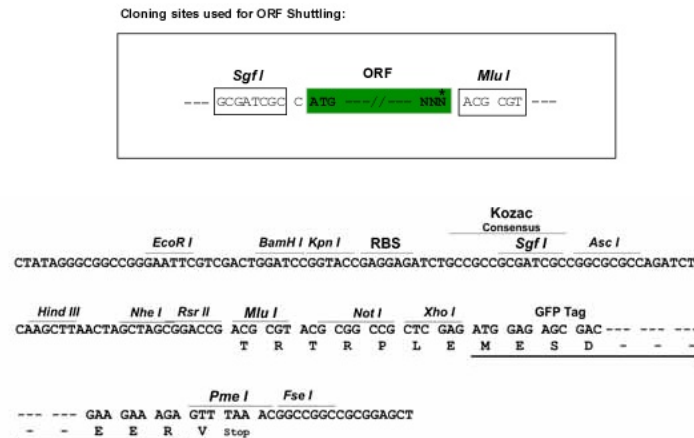
>RG208546 representing NM_007148
 Red=Cloning site Green=Tags(s)

MPRPALSVTSFCHRLGKRERKQSFMGNSGNSWSHTPFPKLELGLGPQPMAPRELPTCSICLERLRDPISL
 DCGHDFCIRCFSTHRLPGCEPPCCPECKICKQKRGLRSLGEKMKLLPQRPLPPALQETCPVRAEPLLLV
 RINASGGLILRMGAINRCLKHPLARDTPVCLLAVLGEQHSKGSFLLNHLLQGLPGLESSEGGRPRGGEAS
 LQGCRWGANLARGIWMWSHPFLLGKEGKKVAVFLVDTGDAMSPELSRETRIKLCALTTMLSSYQILSTS
 QELKDTDLDYLEMVHVHVAEVMGKHYGMVPIQHLDLLVRDSSHPNKAGQGHVGNIFQRLSGRYPKVQELLQ
 GKRARCCLLPAPGRRRMNQGHASPGDTHDDFRHLLGAYVSDVLSAAPQHAKSRCQGYWNEGRAVARGDRR
 LLTGQQLAQEIKNLSGWMGRTGPGFTSPDEMAAQLHDLRKVEAAKREFEEYVRQQDVATKRIFSAIRVLP
 DTMRNLLSTQKDAILARHGVALCKGRDQTLAEALQATAKAFMDSYTMRFCHLAAVGGAVGAGLMG
 LAGGVVGAGMAAAALAAEAGMVAAGAAVATGAAVVGGVGAGLAATVGCMEKEEDERLLEGDREPLLQE
 E

TRTRPLE – GFP Tag – V

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.

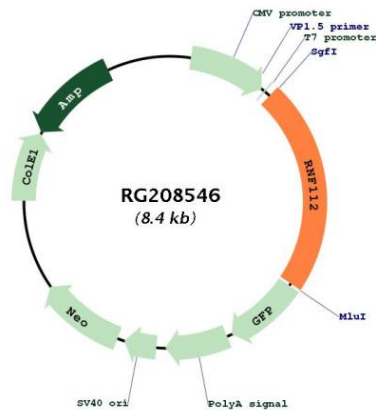
RefSeq: [NM_007148.5](#)

RefSeq Size: 3101 bp

RefSeq ORF: 1896 bp

Locus ID:	7732
UniProt ID:	Q9ULX5
Cytogenetics:	17p11.2
Protein Families:	Transmembrane
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 RG208546