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Product datasheet for RC239612

ZNF546 (NM_001297763) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF546 (NM_001297763) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF546
Synonyms:	ZNF49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC239612 representing NM_001297763
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGCCCCGGTTTCTCTGGATTCTGTGCTTCTCCATGGAGGAAACTCAAGGAGAACTGACAAGTTCTT
GTGGTTCTAAAACCATGGCCAATGTATCTTTGGCATTTAGGGATGTGTCCATAGACCTCTCCCAAGAGGA
GTGGGAGTGCCTGGACGCTGTGCAGAGGGACTTGTACAAGGATGTGATGTTGGAGAACTACAGCAACCTG
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TTCAGAAAAGAATGTTTGCAAAATCTATTTATCTCAATTGCAGACAGGGGAAAAAAGTAAAAACACCATC
CATGAGGACACCATTTTCAGAAATGGTTTGCAGTGTAAACATGAATTTGAGAGACAAGAGAGACATCAGA
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TTACCCGACATCACAGAATTCATACATGTGAGAAACCCTATGAATGTAAGGAATGTGGGAAGGCTTTTAT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239612 representing NM_001297763
Red=Cloning site Green=Tags(s)

MQPRFLWILCFSMEETQGELTSSCGSKTMANVSLAFRDVSIDLSQEEWECLDAVQRDLYKDVMLENYSNL
VSLGYTIPKPDVITLLEQEKEPWIVMREGTRNWFTDLEYKYITKNLLSEKNVCKIYLSQLQTGEKSKNTI
HEDTIFRNGLQCKHEFERQERHQMGCVSQMLIQKQISHPLHPKIHAREKSYECKECRKAFRQQSYLIQHL
RIHTGERPYKCMECGKAFCRVGDLRVHHTIHAGERPYECKECGKAFRLHYHLTEHQRIHSGVKPYECKEC
GKAFSRVRDLRVHQTIHAGERPYECKECGKAFRLHYQLTEHQRIHTGERPYECKVCGKTFRVQRHISQHQ
KIHTGVKPYKCNECGKAFSHGSYLVQHQKIHTGEKPYECKECGKSFSFHAELARHRRIHTGEKPYECREC
GKAFRLQTELTRHHRTHTGEKPYECKECGKAFICGYQLTLHLRTHTGEIPYECKECGKTFSSRYHLTQHY
RIHTGEKPYICNECGKAFRLQGELTRHHRIHTCEKPYECKECGKAFIHSNQFISHQRIHTSESTYICKEC
GKIFSRRYNLTQHFKIHTGEKPYICNECGKAFRFQTELTQHHRIHTGEKPYKCTECGKAFIRSTHLTQHH
RIHTGEKPYECTECGKTFSRHYHLTQHHRGHTGEKPYICNECGNAFICSYRLTLHQRIHTGELPYECKEC
GKTFSRRYHLTQHFRLHTGEKPYSCKECGNAFRLQAELTRHHIVHTGEKPYKCKECGKAFSVNSELTRHH
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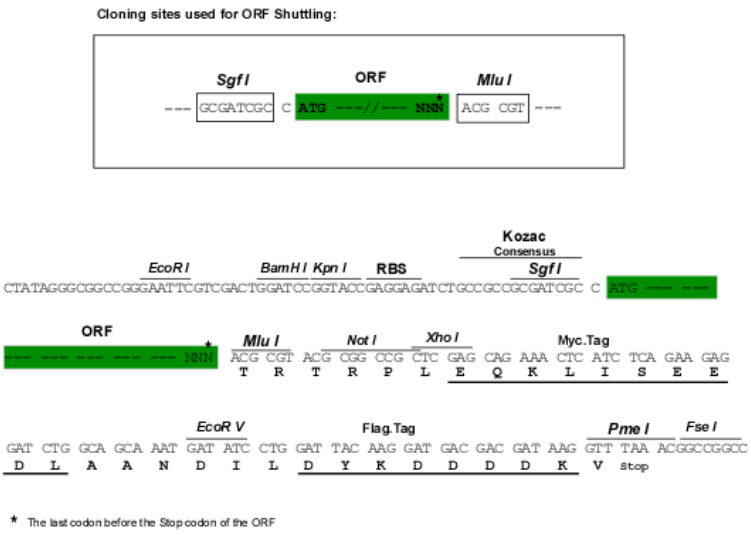
Restriction Sites: SgfI-MluI

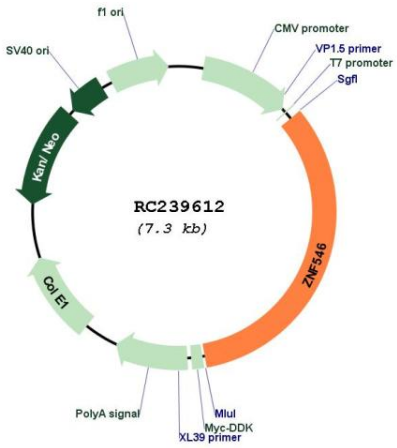
Cloning Scheme:



ACCN:	NM_001297763
ORF Size:	2430 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_001297763.2
RefSeq Size:	7958 bp
RefSeq ORF:	2433 bp
Locus ID:	339327
UniProt ID:	Q86UE3
Cytogenetics:	19q13.2
MW:	96 kDa
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC239612