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Product datasheet for RG213088

ZNF41 (NM_153380) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZNF41
Synonyms:	MRX89
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG213088 representing NM_153380
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCTAATGGGGACTCTCCCCCATGGTCCCCGGCCCTGGCTGCAGAGGGACGTGGCAGCTCATGTG
AGGCTTCAGTGTCATTTGAGGACGTGACTGTGGACTTCAGCAAGGAGGAGTGGCAGCACTTGGACCCTGC
CCAGAGACGCCTGTACTGGGATGTGACACTAGAGAACTACAGCCACCTGCTCTCAGTGGGGTACCAAATT
CCCAAGTCAGAGGCTGCCTTCAAGTTGGAGCAAGGAGAGGGGCCATGGATGCTGGAGGGGGAAGCCCCAC
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TCTGTGTACTCAATGTGGGAAAGTCTTTACCCTCAAATCAAACCTCATTACACATCAAAAAATTCATACC
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ACCTGGAAGTCACGCCTCAATATACATCAGAAGTCTCATACTGGAGAAAGACACTATGAATGTAGTAAAT
GTGGGAAAGCTTTCATCCAGAAAGCCACACTAAGTATGCATCAGATAATTCATACAGGAAAGAAACCTTA
TGCTTGTACAGAATGTCAGAAGGCCTTTACTGACAGATCGAATCTCATTAAACACCAGAAAATGCATAGT
GGAGAAAAACGCTATAAAGCCAGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG213088 representing NM_153380
Red=Cloning site Green=Tags(s)

MAANGDSPPWSPALAAEGRGSSCEASVSFEDVTVDFSKEEWQHLDPAQRRLYWDVTLENYSHLLSVGYQI
PKSEAAFKLEQGEGPWMLEGEAPHQSCSGEAIGKMQQQGIPGGIFFHCERFDQPIGEDSLCSILEELWQD
NDQLEQRQENQNNLLSHVKVLIKERGYEHKNIEKIIHVTTKLVPSIKRLHNCDTILKHTLNSHNHNRNSA
TKNLGKIFGNGNNFPHSPSSTKNENAKTGANSCEHDHYEKHLSHKQAPTHHQKIHPEEKLYVCTECVMGF
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GQKPYKCSECGKAFFQRSDLFRHLRIHTGEKPYECSECGKGFSQNSDLSIHQKTHTGEKHYECNECGKAF
TRKSALRMHQRIHTGEKPYVCADCGKAFIQKSHFNTHQRIHTGEKPYECSDCGKSFTKKSQLHVHQRIHT
GEKPYICTECGKVFTHRTNLTTHQKTHTGEKPYMCAECGKAFTDQSNLIKHQKTHTGEKPYKCNGCGKAF
IWKSRLKIHQKSHIGERHYECKDCGKAFIQKSTLSVHQRIHTGEKPYVCPECGKAFIQKSHFIAHHRIHT
GEKPYECSDCGKCFTKKSQLRVHQKIHTGEKPNICAECGKAFTDRSNLITHQKIHTREKPYECGDCGKTF
TWKSRLNIHQKSHTGERHYECSKCGKAFIQKATLSMHQIIHTGKKPYACTECQKAFTDRSNLIKHQKMHS
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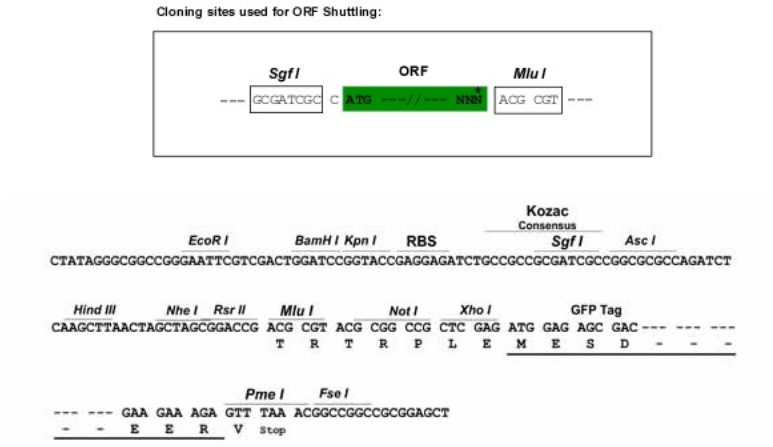
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153380

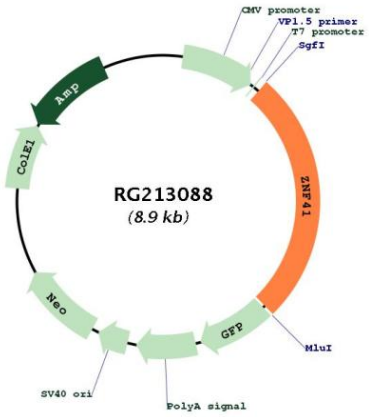
ORF Size: 2337 bp

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_153380.3
RefSeq Size:	3406 bp
RefSeq ORF:	2340 bp
Locus ID:	7592
UniProt ID:	P51814
Cytogenetics:	Xp11.3
Domains:	KRAB, zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein that contains KRAB-A and KRAB-B domains multiple zinc finger DNA binding motifs and finger linking regions characteristic of the Kruppel family. An initial study suggested that this gene may be associated with X-linked cognitive disability, but a later study has called this finding into question (PMID:23871722).[provided by RefSeq, Apr 2016]

Product images:



Circular map for RG213088