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Product datasheet for RG223978

ZNF713 (NM_182633) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF713 (NM_182633) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF713
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG223978 representing NM_182633
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAGGAAGAAATGAATGATGGCTCACAGATGGTGAGATCTCAGGAATCACTGACGTTTCAGGATG
TGGCCGTGGACTTCACCAGAGAGGAGTGGGACCAGCTGTACCCTGCCCAAAAGAACCTCTATCGAGACGT
GATGCTGGAGAACTACAGGAATCTAGTTGCACTGGGGTATCAGCTTTGTAAGCCAGAGGTAATCGCGCAG
TTGGAGCTAGAGGAAGAATGGGTGATAGAAAGAGACAGCCTGCTGGATACTCATCCAGATGGAGAAAACA
GACCCGAAATCAAAAAGTCAACCACAAGCCAGAATATTTCTGATGAAAATCAAACCCATGAGATGATAAT
GGAGAGACTCGCAGGAGACAGCTTCTGGTACTCCATCCTAGGAGGACTCTGGGATTTTGATTACCATCCA
GAGTTTAACCAAGAAAACCACAAGAGATATTTAGGACAAGTAACTTTGACCCACAAAAAGATCACACAGG
AGAGAAGCCTTGAGTGTAATAAATTTGCAGAAAACTGTAATCTGAACTCAAACCTTATGCAGCAGAGAAT
TCCTTCCATTAAAATACCCCTGAATTCTGACACACAGGGAAACAGCATCAAACATAATTCAGACTTGATT
TACTATCAGGGAAATTACGTAAGAGAGACTCCCTATGAATATAGTGAGTGTGGAAAAATCTTCAATCAAC
ATATTCTTCTTACTGATCATATTCATACTGCAGAGAAACCCAGTGAGTGTGGGAAGGCCTTCAGCCACAC
CTCATCTCTTAGCCAGCCTCAGATGTTGCTTACAGGAGAGAAGCCCTATAAGTGTGATGAATGTGGAAAA
AGATTCAGCCAGAGGATACATCTCATTCAACATCAGAGAATTCACACAGGAGAAAAGCCTTTTATATGCA
ATGGATGTGGGAAAGCCTTCCGTCAGCATTCATCCTTTACTCAACATCTGAGGATTCATACTGGAGAAAA
GCCCTATAAATGTAATCAATGTGGTAAAGCTTTTAGCCGCATCACATCCCTTACTGAACATCATAGACTT
CATACCGGAGAGAAACCTTACGAATGTGGTTTCTGTGGCAAAGCCTTCAGTCAGAGGACACATCTGAATC
AACATGAAAGAACTCATACAGGAGAGAAACCCTATAAATGTAATGAATGTGGGAAAGCCTTTAGCCAGAG
TGCACACCTTAATCAACACAGGAAAATCCATACTCGGGAGAAATTATGTGAATATAAATGTGAGCAAACT
GTTCGCCACAGTCCTTCATTTAGCAGCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

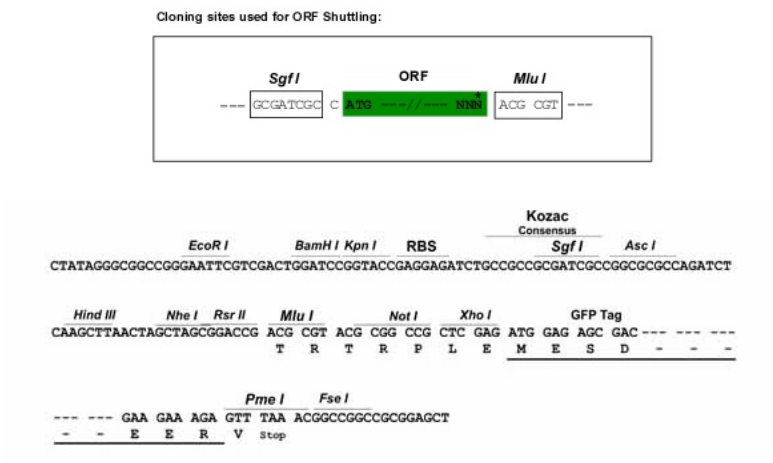
>RG223978 representing NM_182633
Red=Cloning site Green=Tags(s)

MEEEEMNDGSQMVRSQESLTFQDVAVDFTREEWDQLYPAQKNLYRDVMLENYRNLVALGYQLCKPEVIAQ
LELEEEWVIERDSLLDTHPDGENRPEIKKSTTSQNISDENQTHEMIMERLAGDSFWYSILGGLWDFDYHP
EFNQENHKRYLGQVTLTHKKITQERSLECNKFAENCNLNSNLMQQRIPSIKIPLNSDTQGNSIKHNSDLI
YYQGNYVRETPYEYSECGKIFNQHILLTDHIHTAEKPSECGKAFSHTSSLSQPQMLLTGEKPYKCDECGK
RFSQRIHLIQHQRIHTGEKPFICNGCGKAFRQHSSFTQHLRIHTGEKPYKCNQCGKAFSRITSLTEHHRL
HTGEKPYECGFCGKAFSQRTHLNQHERTHTGEKPYKCNECGKAFSQSAHLNQHRKIHTREKLCEYKCEQT
VRHSPSFSST

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182633

ORF Size: 1290 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.

RefSeq: NM_182633.1, NP_872439.1

RefSeq Size: 2065 bp

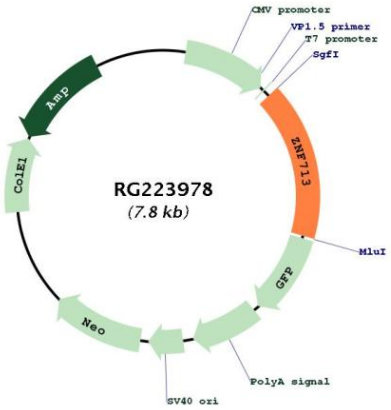
RefSeq ORF: 1332 bp

Locus ID: 349075

Cytogenetics: 7p11.2

Gene Summary: The protein encoded by this gene contains C2H2 zinc finger domains. In some individuals, a CGG-repeat expansion from 5-22 repeats to 68-450 repeats has been identified in the first intron of this gene. This mutation is thought to effect the expression of this gene and it has been proposed that it may be associated with Autistic Spectrum Disorder. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG223978