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Product datasheet for RG234222

ZNF513 (NM_001201459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF513 (NM_001201459) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF513
Synonyms:	HMFT0656; RP58; Zfp513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>RG234222 representing NM_001201459
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCTTCGAGAGAGACTCGGAAGGAGACTCTCTGGGGGCCAGGCCTGGGCTTCCCTATGGGCTGAGCG
ACGATGAGTCTGGGGGCGGCCGGGCACTAAGTGCGGAGAGTGAAGTTGAGGAGCCAGCCAGGGGTCCAGG
GGAGGCCAGGGGTGAGAGGCCAGGCCCAGCCTGCCAGCTGTGTGGGGGGCCGACAGGTGAGGGGCCGTGT
TGTGGGGCAGGAGGGCCGGGTGGGGGGCCCCTGCTGCCCCCACGGCTACTGTACTCATGCCGCCTCTGCA
CCTTCGTGTCCCACTACTCGAGCCACCTGAAGCGGCACATGCAGACACACAGCGGAGAGAAGCCGTTCCG
CTGTGGCCGCTGCCCCTACGCCTCAGCCCAGCTCGTCAACCTGACACGACATACCCGCACCCACACTGGC
GAGAAGCCCTACCGCTGTCCCCACTGCCCCTTTGCCTGCAGCAGCCTGGGCAACCTGAGGCGGCATCAGC
GTACCCACGCAGGGCCCCCCACTCCTCCCTGCCCGACCTGTGGCTTCCGCTGCTGTACTCCACGACCAGC
CCGGCCTCCCAGTCCCACAGAGCAGGAGGGGGCGGTGCCCCGGCGACCTGAAGATGCTCTGCTCCTTCCA
GATTTGAGCCTCCATGTGCCACCAGGTGGTGCCAGTTTCCTGCCAGACTGTGGGCAGCTGCGGGGTGAAG
GGGAGGGCCTCTGCGGGACTGGATCAGAACCACTGCCAGAGCTGCTATTCCCTTGGACCTGCCGGGGCTG
TGGACAAGAGCTGGAGGAGGGTGAGGGTAGTCGGCTGGGAGCTGCCATGTGTGGGCGCTGCATGCGAGGA
GAGGCTGGAGGGGGTGCCAGTGGGGGGCCCCAGGGCCCCAGTGACAAAGGCTTTGCCTGTAGCCTCTGCC
CCTTTGCCACTCACTATCCCAACCACCTGGCCCGGCACATGAAGACACACAGTGGTGAGAAGCCCTTCCG
CTGCGCCCGCTGTCCTTATGCCTCTGCTCATCTGGATAACCTGAAACGGCACCAGCGCGTCCATACAGGA
GAGAAGCCCTACAAGTGCCCCCTCTGCCCTTATGCCTGTGGCAATCTGGCCAACCTCAAGCGTCATGGTC
GCATCCACTCTGGTGACAAACCTTTTCGGTGTAGCCTTTGCAACTACAGCTGCAACCAGAGCATGAACCT
CAAACGTCACATGCTGCGGCACACAGGCGAGAAGCCCTTCCGCTGTGCCACCTGCGCCTATACCACGGGC
CACTGGGACAACTACAAGCGCCACCAGAAGGTGCATGGCCACGGTGGGGCAGGAGGGCCTGGTCTCTCTG
CCTCTGAGGGCTGGGCCCCACCTCATAGCCCACCCTCTGTTTTGAGCTCTCGGGGCCCACCAGCCCTGGG
GACTGCTGGCAGCCGGGCTGTCCACACAGACTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

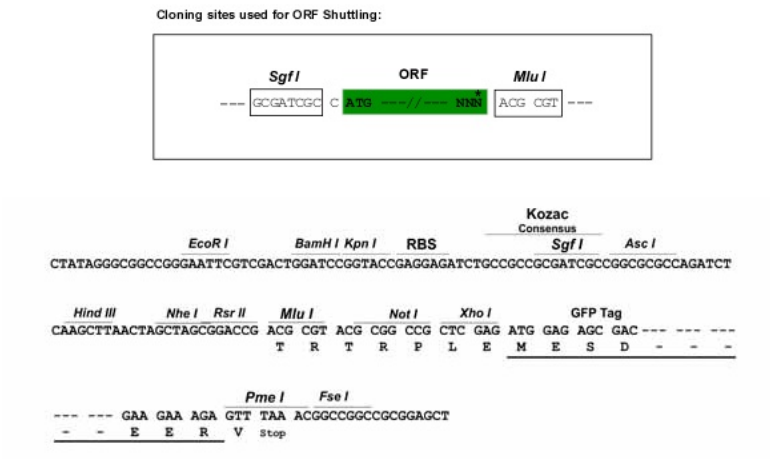
>RG234222 representing NM_001201459
Red=Cloning site Green=Tags(s)

MGFERDSEGDSLGARPGLPYGLSDDESGGGRALSAESEVEEPARGPGEARGERPGPACQLCGGPTGEGPC
CGAGGPGGGPLLPPRLLYSCRLCTFVSHYSSHLKRHMQTHSGEKPFRCGRCPYASAQLVNLTRHTRTHTG
EKPYRCPHCPFACSSLGNLRRHQRTHAGPPTPPCPTCGFRCCTPRPARPPSPTEQEGAVPRRPEDALLLP
DLSLHVPPGGASFLPDCGQLRGEGEGLCGTGSEPLPELLFPWTCRGCGQELEEGEGSRLGAAMCGRCMRG
EAGGGASGGPQGPSDKGFACSLCPFATHYPNHLARHMKTHSGEKPFRCARCPYASAHLDNLKRHQRVHTG
EKPYKCPLCPYACGNLANLKRHGRIHSGDKPFRCSLCNYSCNQSMNLKRHMLRHTGEKPFRCATCAYTTG
HWDNYKRHQKVHGHGGAGGPGLSASEGWAPPHSPPSVLSSRGPPALGTAGSRAVHTDSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001201459

ORF Size: 1437 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_001201459.1, NP_001188388.1

RefSeq Size: 2091 bp

RefSeq ORF: 1440 bp

Locus ID: 130557

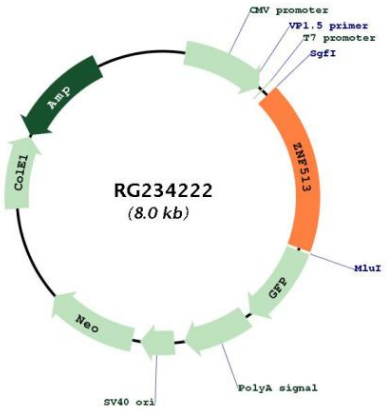
UniProt ID: Q8N8E2

Cytogenetics: 2p23.3

Protein Families: Transcription Factors

Gene Summary: The protein encoded by this gene is a possible transcriptional regulator involved in retinal development. Defects in this gene can be a cause of autosomal-recessive retinitis pigmentosa. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG234222