

Product datasheet for **RC234222**

ZNF513 (NM_001201459) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF513 (NM_001201459) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF513
Synonyms:	HMFT0656; RP58; Zfp513
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234222 representing NM_001201459
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTTCGAGAGAGACTCGGAAGGAGACTCTCTGGGGCCAGGCTGGGCTTCCCTATGGGCTGAGCG
 ACGATGAGTCTGGGGCGGCCGGCACTAAGTGGCGAGAGTGAAGTTGAGGAGCCAGCCAGGGGTCCAGG
 GGAGGCCAGGGGTGAGAGGCCAGGCCAGCCTGCCAGCTGTGTGGGGGGCCGACAGGTGAGGGGCGGTGT
 TGTGGGGCAGGAGGGCCGGGTGGGGGGCCCTGCTGCCCCACGGCTACTGTACTCATGCCGCTCTGCA
 CCTTCGTGTCCACTACTCGAGCCACCTGAAGCGGCACATGCAGACACACAGCGGAGAGAAGCCGTTCCG
 CTGTGGCCGCTGCCCTACGCCTCAGCCAGCTCGTCAACCTGACACGACATAACCCGACCCACACTGGC
 GAGAAGCCCTACCGCTGTCCCCTGCCCCCTTTGCCTGCAGCAGCCTGGGCAACCTGAGGCGGCATCAGC
 GTACCCACGAGGGCCCCACTCCTCCCTGCCGACCTGTGGCTCCGCTGCTGTACTCCACGACCAGC
 CCGGCCTCCAGTCCCACAGAGCAGGAGGGGGCGGTGCCCGGCGACCTGAAGATGCTCTGCTCCTCCA
 GATTTGAGCCTCCATGTGCCACCAAGTGGTGGCAGTTTCTGCCAGACTGTGGGCAGCTGCGGGGTGAAG
 GGGAGGGCCTCTGCGGGACTGGATCAGAACCCTGCCAGAGCTGCTATCCCTTGGACCTGCCGGGGCTG
 TGGACAAGAGCTGGAGGAGGGTGAAGGTAGTCGGCTGGGAGCTGCCATGTGTGGGCGCTGCATGCGAGGA
 GAGGCTGGAGGGGTGCCAGTGGGGGGCCCCAGGGCCCCAGTGACAAAGGCTTTGCCTGTAGCCTTGCC
 CCTTTGCCACTCACTATCCCAACCACCTGGCCCGCACATGAAGACACACAGTGGTGAGAAGCCCTTCCG
 CTGCGCCCGCTGTCTTATGCCTCTGCTCATCTGGATAACCTGAAACGGCACCAGCGCTCCATACAGGA
 GAGAAGCCCTACAAGTCCCCCTCTGCCCTTATGCCTGTGGCAATCTGGCAACCTCAAGCGTCATGGTC
 GCATCCACTCTGGTGACAAACCTTTTCGGTGTAGCCTTTGCAACTACAGCTGCAACCAGCATGAACCT
 CAAACGTCACATGCTGCCGCACACAGGCGAGAAGCCCTTCCGCTGTGCCACCTGCCCTATACCAGGGC
 CACTGGGACAACCTACAAGCGCCACCAGAAGGTGCATGGCCACGGTGGGGCAGGAGGGCCTGGTCTCTCTG
 CCTCTGAGGGCTGGGCCACCTCATAGCCACCTCTGTTTTGAGCTCTCGGGGCCACCAGCCCTGGG
 GACTGCTGGCAGCGGGCTGTCCACACAGACTCATCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234222 representing NM_001201459
 Red=Cloning site Green=Tags(s)

MGFERDSEGDSL GARPGLPYGLSDDES GGGRALSAESEVEEPARGPGEARGERPGPACQLCGGPTGEGPC
 CGAGGPGGGPLLPRLLYSCLCTFVSHYSSHLKRHMQTHS GEKPFRCGRCPYASAQLVNLTRHTRHTHTG
 EKPYP RCPHCPFACSSLGNLRRHQ RTHAGPPTPPCPTCGFRCTPRPARPPSPTEQEGAVPRRPEDALLP
 DL.SLHVPPGGASF LPDCGQLRGE GELCGTGSEPLPELLFPWTCRGCQEELEEGESRLGAAMCGRCMRG
 EAGGGASGGPQGPSDKGFACSLCPFATHYPNHLARHMKTHS GEKPFRCARCPYASAHLDNLKRHQ RVHTG
 EKP YKCP LCPYACGNLANLKRHGR IHS GDKPFRC SL CNYS CNQSMNLKRHMLRHTGEKPFRCATCAYTTG
 HWDNYKRHQKVHGHGGAGGPGLSASEGWAPPHSPPSVLS SRGPPALGTAGSRAVHTDSS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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

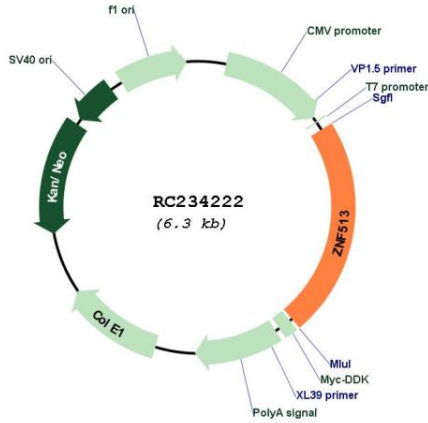
RefSeq ORF: 1440 bp

Locus ID: 130557

UniProt ID: [Q8N8E2](#)

Cytogenetics: 2p23.3
Protein Families: Transcription Factors
MW: 51.5 kDa
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 RC234222