

Product datasheet for **RG208630**

ZNF513 (NM_144631) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF513 (NM_144631) 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)



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ORF Nucleotide Sequence:

>RG208630 representing NM_144631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGAAGGAAGCAAAGCCACCCGACGCCCTGAAATGCGAGGGGTCAAAGTGGATACTGAAGACT
 CCCTCGACGAAGGACCCGGGCCCTGGTATTGGAGAGTATTTGCTACTAGGCCAGGATCTGGAGTTTGA
 GGAGGAAGAGGAAGAGGAGGAAGGCGACGGCAACAGTGACCAGCTCATGGCTTCGAGAGAGACTCGGAA
 GGAGACTCTCTGGGGGCCAGGCCTGGGCTTCCCTATGGGCTGAGCGACGATGAGTCTGGGGCGGCCGGG
 CACTAAGTGGGAGAGTGAAGTTGAGGAGCCAGCCAGGGTCCAGGGGAGGCCAGGGGTGAGAGGCCAGG
 CCCAGCCTGCCAGCTGTGTGGGGGGCCGACAGGTGAGGGGCCGTGTTGTGGGGCAGGAGGGCCGGGTGGG
 GGGCCCTGCTGCCCCACGGCTACTGTACTCATGCCCTCTGCACCTTCGTGTCCCACTACTCGAGCC
 ACCTGAAGCGGCACATGCAGACACACAGCGGAGAGAAGCCGTTCCGCTGTGGCCGCTGCCCTACGCCTC
 AGCCCAGCTCGTCAACCTGACACGACATACCCGCACCCACTGGCGAGAAGCCCTACCGCTGTCCCAC
 TGCCCTTTGCCTGCAGCAGCCTGGGCAACCTGAGGCGGCATCAGCGTACCCACGAGGGCCCCCCTACTC
 CTCCTGCCCGACCTGTGGCTTCCGCTGTACTCCACGACCAGCCCGCCTCCAGTCCCACAGAGCA
 GGAGGGGGCGGTGCCCGGCACCTGAAGATGCTCTGCTCCTTCCAGATTTGAGCCTCCATGTGCCACCA
 GGTGGTGCAGTTTCTGCCAGACTGTGGGCGAGCTGCGGGGTGAAGGGGAGGGCCTCTGCGGGACTGGAT
 CAGAACCCTGCCAGAGCTGCTATTCCTTGGACTGCCGGGCTGTGGACAAGAGCTGGAGGAGGGTGA
 GGGTAGTCGGCTGGGAGCTGCCATGTGTGGGCGCTGCATGCGAGGAGAGGCTGGAGGGGTGCCAGTGGG
 GGGCCCCAGGGCCCCAGTGACAAAGGCTTTGCCTGTAGCCTCTGCCCTTTGCCACTCACTATCCCAACC
 ACCTGGCCCGGCACATGAAGACACACAGTGGTGAGAAGCCCTTCGCTGCGCCCGCTGCTTATGCCCC
 TGCTCATCTGGATAACCTGAAACGGCACACAGCGGTCATACAGGAGAGAAGCCCTACAAGTGCCCCCTC
 TGCCCTTATGCCTGTGGCAATCTGGCAACCTCAAGCGTCATGGTCGCATCCACTCTGGTGACAAACCTT
 TTCGGTGTAGCCTTTGCAACTACAGCTGCAACCAGAGCATGAACCTCAAACGTCACATGTGCGGCACAC
 AGGCGAGAAGCCCTTCCGCTGTGCCACCTGCGCCTATACCACGGGCCACTGGGACAACATAAAGCGCCAC
 CAGAAGGTGCATGGCCACGGTGGGGCAGGAGGGCCTGGTCTCTCTGCCTCTGAGGGCTGGGGCCACCTC
 ATAGCCACCCCTCTGTTTGTAGCTCTCGGGGCCACCAGCCCTGGGGACTGCTGGCAGCCGGGTGTCCA
 CACAGACTCATCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG208630 representing NM_144631
 Red=Cloning site Green=Tags(s)

MPRRKQSHQPVKCEGVKVDTEDSLDEGPGALVLESLLLLGQDLEFEFEFEFEFEEDGNSDQLMGFERDSE
 GDSL GARPGLPYGLSDDES GGGRALSAESEVEEPARGPGEARGERPACQLCGGPTGEGPCCGAGGPGG
 GPLLPPRLLYSRLCTFVSHYSSHLKRHMQTHS GEKPFRCGRCPYASAQLVNLTRHTRHTHTGEKPYRCPH
 CPFACSSLGNLRRHQRT HAGPPTPPCPTCGFRCTPRPARPPSPTEQEGAVPRRPEDALLLPDL SLHVPP
 GGASF LPDCQLRGEGEGLCGTGEPLPELLFPWTCRGCQEELEEGESRLGAAMCGRMRGEAGGGASG
 GPQGPSDKGFACSLCPFATHYPNHLARHMKTHS GEKPFRCARCPYASAHL DNLKRHRVHTGEKPYKCPL
 CPYACGNLANLKRHGR IHS GDKPFRCSLCNYSNQMNLKRHMLRHTGEKPFRCATCAYTTGHW DNYKRH
 QKVHGHGGAGG PGLSASEGWAPPHSPSVLSSRGPPALGTAGSRAVHTDSS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_144631

ORF Size: 1623 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_144631.6](#)

RefSeq Size: 2168 bp

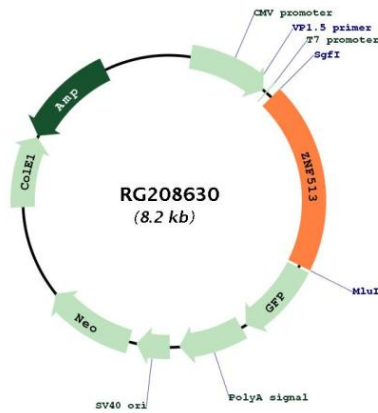
RefSeq ORF: 1626 bp

Locus ID: 130557

UniProt ID: [Q8N8E2](#)

Cytogenetics: 2p23.3
Domains: zf-C2H2
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 RG208630