

Product datasheet for **SC120757**

ZNF513 (NM_144631) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF513 (NM_144631) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF513
Synonyms:	HMFT0656; RP58; Zfp513
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_144631, the custom clone sequence may differ by one or more nucleotides

```

ATGCCCGAAGGAAGCAAAGCCACCCGAGCCCGTGAATGCGAGGGGGTCAAAGTGGATACTGAAGACT
CCCTCGACGAAGGACCCGGGGCCCTGGTATTGGAGAGTGATTTGCTACTAGGCCAGGATCTGGAGTTTGA
GGAGGAAGAGGAAGAGGAGGAAGGCGACGGCAACAGTGACCAGCTCATGGGCTTCGAGAGAGACTCGGAA
GGAGACTCTCTGGGGGCCAGGCCTGGGCTTCCCTATGGGCTGAGCGACGATGAGTCTGGGGCGGCCGGG
CACTAAGTGCGGAGAGTGAAGTTGAGGAGCCAGCCAGGGTCCAGGGGAGGCCAGGGGTGAGAGGCCAGG
CCCAGCCTGCCAGCTGTGTGGGGGCCGACAGGTGAGGGGCCGTGTTGTGGGGCAGGAGGGCCGGGTGGG
GGGCCCTGTGCCCCACGGCTACTGTACTCATGCCGCTCTGCACCTTCGTGTCCCACTACTCGAGCC
ACCTGAAGCGGCACATGCAGACACACAGCGGAGAGAAGCCGTTCCGCTGTGGCCGCTGCCCTACGCCTC
AGCCCAGCTCGTCAACCTGACACGACATACCCGCACCCACTGGCGAGAAGCCCTACCGCTGTCCCCAC
TGCCCCCTTGCCTGCAGCAGCCTGGGCAACCTGAGGCGGCATCAGCGTACCCACGCAGGGCCCCCACTC
CTCCCTGCCGACCTGTGGCTTCCGCTGTGTACTCCACGACCAGCCCGCCTCCAGTCCCACAGAGCA
GGAGGGGGCGGTGCCCGCGACCTGAAGATGCTGCTCCTTCCAGATTTGAGCCTCCATGTGCCACCA
GGTGGTGCCAGTTTCTGCCAGACTGTGGGCAGCTGCGGGGTGAAGGGGAGGGCCTCTGCCGGACTGGAT
CAGAACCCTGCCAGAGCTGCTATTCCTTGGACCTGCCGGGGCTGTGGACAAGAGCTGGAGGAGGGTGA
GGGTAGTCGGCTGGGAGCTGCCATGTGTGGGCGTGATGCGAGGAGAGGCTGGAGGGGGTCCAGTGGG
GGGCCCCAGGGCCCCAGTGACAAAGGCTTTGCCTGTAGCCTCTGCCCTTGGCCACTCACTATCCCAACC
ACCTGGCCCGGCACATGAAGACACACAGTGGTGAAGCCCTTCCGCTGCGCCCGCTGTCTTATGCCTC
TGCTCATCTGGATAACCTGAACCGGCACCAGCGCTCCATACAGGAGAGAAGCCCTACAAGTGCCCCCTC
TGCCCTTATCCCTGTGGCAATCTGGCCACCTCAAGCGTCAATGGTGCATCCACTGTGGTACAAACCTT
TTCGGTGTAGCCTTTGCAACTACAGCTGCAACCCAGAGCATGAACCTCAAACGTACATGCTGCGGCACAC
AGGCGAGAAGCCCTTCCGCTGTGCCACCTGCGCCTATACCACGGGCCACTGGGACAACTACAAGGCCAC
CAGAAGGTGCATGGCCACGGTGGGGCAGGAGGGCTGGTCTCTCTGCCTCTGAGGGCTGGGCCCCACCTC
ATAGCCCACCCTCTGTTTTGAGCTCTCGGGGCCACCAGCCCTGGGGACTGCTGGCAGCCGGGCTGTCCA
CACAGACTCATCTGA
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_144631 unedited

```

ATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGTGGGCTCAGGTCAGGGTGGGA
GGGGGACTCCTGAGGGATGAAGTGGGCGATCCAGACTCCTAGCTTCCCACCGAGGCACTA
AGGGAATCAGAGTGGGTGAGGAGTACGGGAAGTGTGGTCCACGAGGGCTGGTTCCTGAG
GGAGAATCCACAAGCCCCCTCCCTCTTCACTGAGTACTGAAGACTCCCTCGACGAAGGA
CCCGGGGCCCTGGTATTGGAGAGTGATTTGCTACTAGGCCAGGATCTGGAGTTTGAAGG
GAAGAGGAAGAGGAGGAAGGCGACGGCAACAGTGACCAGCTCATGGGCTTCGAGAGAGAC
TCGGAAGGAGACTCTCTGGGGGCCAGGCCTGGGCTTCCCTATGGGCTGAGCGACGATGAG
TCTGGGGGCGGCCGGCCTAAGTGCGGAGAGTGAAGTTGAGGAGCCAGCCAGGGGTCCA
GGGGAGGCCAGGGGTGAGAGGCCAGGCCAGCCTGCCAGCTGTGTGGGGGCCGACAGGT
GAGGGGCCGTGTTGTGGGCGAGAGGCCGGTGGGNNNNCCCTGNTNNNCCCCCGCTC
TTGTCTCTTCCCCCTTCCCCCTTCGGTCCCTCTTCTCTGCCCCCTTGTGCGGGCCCC
TGCTTCTCCCGGCCGCTTATGCCCTCCCGCCTTGTGCTGTTGCCCTTCCCCCTCTGT
TTTGTCCCGCCCCCTGCCNTCTTTTTTCTCTCGCCCCCTCCCTTGGCGTGTCTCTT
TCTCTGTCCCCCTCGTCCCTTCTCTTTTTCTCTTGTCCCCCTTGTCTTCC
CCCTTCCCCCGCTTTTTTCCCCCTCCTTTTTTCCCCCTTCTGGTCTTCTGTTCT
TTTTTTGCCCGGCCCTTTTCCCCCTTACCCCTTTCGGTTTTCGCGTCTCTTCTTCC
    
```

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_144631 unedited NGCTACGACTAAGGAACCGCGGCCGCATNCNAGNGATCGATTTTTTTTTTTTTTTTTTTTGT TAGTGTTCCTTTATTATAAAGCACTGGAATAAGTTAAATAAACAGGTGGGGAGGCTGGG CAGTCCCCCAGCCGGTTTGTCCACAGCCCCTGGGGCAGTGGAGGTGAATACAGGGCCCT TCTCACTGAGCTCGTGAAGTGCCTCAGTCAAGGCAAGTCCCCTGGTCCATATGGGCCCC CCCGCCATGGGGTTGGGCTGGTCCTTATAGTGCCTACGTTAGTCTGTGTGGAGCCCCTG GCCAGCGGGGAGAAAAAGGTGGCTTCTGGTCCGTCTGTATAAAACATGGGGAAGAAGGA CCTAGTTCAGGATGAGTCTGTGTGGACAGCCCGCTGCCAGCAGTCCCCAGGGCTGGTGG GCCCCGAGAGCTCAAACAGAGGGTGGCTATGAGGTGGGGCCAGCCCTCAGAGGCAGA GAGACCAGGCCCTCCTGCCCCACCGTGGCCATGCACCTTCTGGTGGCGCTTGTAGTTGTC CCAGTGGCCCGTGGTATAGGCGCAGGTGGCACAGCGGAAGGGCTTCTCGCCTGTGTGCCG CAGCATGTGACGTTTGGGTTTATGCTCTGGTTGCAGCTGAGTTGCAAAGGCTACACCG AANAGTTTGTACCAGAGTGGATGCGACCATGACGCTTGGGTTGGCCAGATTGCCACA GGCATAAGGGCAGAGGGGCACTTGTAGGGCTTCTCCTGTATGGACCGCTGGTGCCG TTTTCANGTTATCCAGATGAGCAGAGGCATAAGGACAGCGGGCGCAGCGGAAAGGCTTCTC ACCACTGTGTGCTTTCATGTGCCGGCCAGGTGGTTGGGATAGTGAGTGGCCAAAGGGCA GAAGCTACAGGCAAAGCCTTGTCACTGGNGCCCTCG
Restriction Sites:	NotI-NotI
ACCN:	NM_144631
Insert Size:	2250 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_144631.2</u> , <u>NP_653232.2</u>
RefSeq Size:	2168 bp
RefSeq ORF:	1440 bp
Locus ID:	130557
UniProt ID:	<u>Q8N8E2</u>
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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).