OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC112031

ZNF408 (NM_024741) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF408 (NM_024741) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF408
Synonyms:	EVR6; RP72
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_024741, the custom clone sequence may differ by one or more nucleotides

ATGGAGGAGGCGGAGGAGCTGCTCTTGGAGGGGAAGAAGGCGCTGCAACTCGCCCGCGAGCCGCGCCTGG
GCCTGGACTTAGGATGGAACCCTTCCGGAGAAGGCTGTACGCAGGGCCTCAAAGACGTCCCACCCGAGCC
GACCCGAGACATCCTCGCTTTAAAGAGCCTTCCCCGGGGCTTGGCCCTTGGCCCCTCACTCGCCAAGGAA
CAGCGCTTGGGGGTCTGGTGTGTCGGGGACCCCCTGCAGCCCGGCCTGCTGTGGGGGCCGCTGGAAGAGG
AGTCTGCCTCCAAGGAGAAGGGCGAGGGAGTAAAGCCACGGCAGGAGGAGAACCTGTCATTAGGCCCATG
GGGAGACGTGTGTGCCTGTGAGCAGAGTTCTGGCTGGACTAGCTTGGTACAACGGGGCAGGCTGGAGAGT
GAGGGAAATGTGGCCCCAGTGCGGATCAGCGAGAGGCTTCATCTGCAAGTGTACCAGCTGGTGCTGCCAG
GCTCTGAACTGCTGCTGTGGCCCCAGCCTTCCTCTGAGGGCCCAAGTCTCACCCAGCCTGGGCTGGACAA
AGAGGCAGCTGTAGCAGTGGTGACAGAAGTGGAGTCTGCTGTACAGCAGGAAGTGGCCTCCCCTGGGGAG
GATGCAGCAGAACCTTGCATAGATCCTGGTTCCCAGTCACCCTCTGGCATCCAGGCAGAGAATATGGTGA
GCCCTGGACTTAAGTTCCCAACCCAGGACCGAATTTCCAAGGATAGCCAGCCACTTGGCCCATTGCTTCA
GGATGGCGACGTGGATGAGGAATGCCCGGCCCAGGCACAGATGCCACCTGAACTTCAGAGCAATTCGGCT
ACCCAGCAGGACCCAGATGGCAGTGGAGCCAGTTTCTCATCTTCTGCCAGGGGCACCCAGCCGCATGGCT
ACCTGGCCAAGAAGTTACACAGCCCCAGTGATCAGTGCCCACCCAGAGCAAAGACCCCAGAGCCTGGAGC
CCAGCAGTCTGGCTTCCCTACACTCTCGCGGAGCCCTCCTGGCCCAGCAGGAAGCTCCCCAAAGCAGGGG
CGACGGTACCGGTGTGGAGAGTGTGGCAAGGCATTCCTACAGCTGTGCCACCTAAAGAAGCACGCATTTG
TGCACACGGGCCACAAGCCCTTTCTTTGCACTGAGTGTGGCAAGAGCTATAGCTCAGAGGAGAGCTTCAA
AGCCCATATGCTGGGCCACCGTGGGGTGCGGCCCTTCCCCTGTCCACAATGCGACAAGGCCTATGGCACC
CAGCGAGACCTCAAAGAGCACCAGGTGGTACATTCAGGTGCCCGGCCCTTTGCTTGTGACCAGTGTGGCA
AGGCCTTTGCCCGCCGGCCCTCCCTGCGGCTGCATCGCAAGACCCACCAGGTGCCAGCTGCCCCTGCCCC
TTGCCCATGCCCTGTGTGTGGGCGGCCCCTGGCCAACCAGGGCTCCCTGCGGAACCATATGAGGCTCCAT
ACAGGAGAAAAGCCTTTCCTGTGCCCGCACTGTGGCCGGGCGTTTCGTCAGCGGGGCAACCTGCGTGGGC
ATTTGCGGCTCCACACCGGGGAGCGTCCTTACCGCTGCCCACACTGTGCCGATGCCTTCCCCCAGCTGCC
TGAACTGCGGCGCCATCTCATCTCACACACCGGGGAGGCCCACTTGTGCCCGGTGTGTGGCAAGGCCCTC
CGAGACCCACACACGCTCCGAGCTCACGAGCGCCTGCACTCCGGAGAGAGGCCCTTTCCCTGTCCCCAGT
GTGGCCGTGCTTACACGCTGGCCACCAAGCTGCGGCGCCACCTCAAATCTCACTTGGAGGACAAGCCCTA
CCGCTGCCCCACCTGTGGCATGGGCTACACCCTCCCGCAGAGCCTCAGGCGGCATCAGCTCAGTCACCGG
CCTGAGGCACCCTGCAGCCCACCCTCTGTGCCTTCTGCTGCTTCTGAGCCCACTGTGGTGCTCCTGCAGG
CTGAGCCACAACTGCTGGACACACACAGAGAGGAGGAAGTCTCCCCCGCCAGGGATGTTGTTGAGGTCAC
CATTTCAGAAAGCCAGGAGAAGTGCTTTGTGGTGCCAGAGGAGCCAGATGCCGCCCCCAGCCTGGTGCTA
ATCCATAAGGACATGGGCCTCGGCGCCTGGGCAGAGGTGGTGGAGGTGGAGATGGGCACCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024741 unedited
TATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGCTGACCCGGAAT
GGAGGAGGCGGAGGAGCTGCTCTTGGAGGGGAAGAAGGCGCTGCAACTCGCCCGCGAGCC
GCGCCTGGGCCTGGACTTAGGATGGAACCCTTCCGGAGAAGGCTGTACGCAGGGCCTCAA
AGACGTCCCACCCGAGCCGACCCGAGACATCCTCGCTTTAAAGAGCCTTCCCCGGGGCTT
GGCCCTTGGCCCCTCACTCGCCAAGGAACAGCGCTTGGGGGTCTGGTGTGTCGGGGACCC
CCTGCAGCCCGGCCTGCTGTGGGGGCCGCTGGAAGAGGAGTCTGCCTCCAAGGAGAAGGG
CGAGGGAGTAAAGCCACGGCAGGAGGAGAACCTGTCATTAGGCCCATGGGGAGACGTGTG
TGCCTGTGAGCAGAGTTCTGGCTGGACTAGCTTGGTACAACGGGGCAGGCTGGAGAGTGA
GGGAAATGTGGCCCCAGTGCGGATCAGCGAGAGGCTTCATCTGCAAGTGTACCAGCTGGT
GCTGCCAGGCTCTGAACTGCTGCTGTGGCCCCAGCCTTCCTCTGAGGGCCCAAGTCTCAC
CCAGCCTGNGCTGGACAAAGAGGCAGCTGTAGCAGTGGAGTCTGCTGTACAGCAGGAAGT
GGCCTCCCCTGGGGAGGATGCAGCAGAACCTTGCATAGATCCTGGTTCCCAGTCACCCTC
TGGCATCCAGGCAGAGAATATGGTGAGCCCTGNACTTAAGTCCCAACCCANGACCGAATT
TCCATGATAGCCAGCCACTTGGCCCATTGCTTCANGATTGCGACNTGGATGTAGAAATGC
CCGNCCCAGCACAGATGCCACCTGAACTTCANAGCATTCGCTACCCAGCAGGACCAGATG
CAGTGGAGCAGTTTCTATCTCTGCAGGGCACCANNCGATGCTACTGNCAGAGTTCACAGC
CATGATATGCCACCAGAGCAGACCCAAGCTGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024741 unedited
GGTGACCGAATTCTTTNAGGNANCTGTGTCAGCAAAAGCAAACTGTCAGTGCCCATCTCC
ACCTCCACCACCTCTGCCCAGGCGCCGAGGCCCATGTCCTTATGGATTAGCACCAGGCTG
GGGGCGGCATCTGGCTCCTCTGGCACCACAAAGCACTTCTCCTGGCTTTCTGAAATGGTG
ACCTCAACAACATCCCTGGCGGGGGAGACTTCCTCCTCTCTGTGTGTGTCCAGCAGTTGT
GGCTCAGCCTGCAGGAGCACCACAGTGGGCTCAGAAGCAGCAGAAGGCACAGAGGGTGGG
CTGCAGGGTGCCTCAGGCCGGTGACTGAGCTGATGCCGCCTGAGGCTCTGCGGGAGGGTG
TAGCCCATGCCACAGGTGGGGCAGCGGTAGGGCTTGTCCTCCAAGTGAGATTTGAGGTGG
CGCCGCAGCTTGGTGGCCAGCGTGTAAGCACGGCCACACTGGGGACAGGGAAAGGGCCTC
TCTCCGGAGTGCAGGCGCTCGTGAGCTCGGAGCGTGTGTGGGTCTCGGAGGGCCTTGCCA
CACACCGGGCACAAGTGGGCCTCCCCGGTGTGTGAGATGAGATGGCGCCGCAGTTCAGGC
AGCTGGGGGAAGGCATCGGCACAGTGTGGGCAGCGGTAAGGACGCTCCCCGGTGTGGAGC
CGCANATGCCCACGCAGGTTGCCCCGCTGACGAAACGCCCGGCCACAGTGCGGGCACAGG
AAAAGCTTTTCTCCTGTATGGAGCCTCATATGGTTCCGCAGGNAGCCCTGGTTGGCCAGG
GGCCGCCCACACACAGGGCATGGGCAAGGGGCAGGGGCAGCTGGCACCTGTTGGGTCC

Restriction Sites: ECoRI-NOT

ACCN: NM_024741

Insert Size: 2700 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:	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_024741.1, NP_079017.1
RefSeq Size:	2441 bp
RefSeq ORF:	2163 bp
Locus ID:	79797
UniProt ID:	Q9H9D4
Cytogenetics:	11p11.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene contains ten tandem zinc fingers and an N-terminal SET domain, so it is likely a DNA binding protein that interacts with other proteins. In adults, the encoded protein is expressed most highly in retina. Consequently, defects in this gene have been associated with familial exudative vitreoretinopathy (FEVR) and retinitis pigmentosa (RP). [provided by RefSeq, Dec 2016] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).