

## Product datasheet for **SC324610**

### ZNF259 (ZPR1) (NM\_003904) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF259 (ZPR1) (NM_003904) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF259
Synonyms:	GKAF; ZNF259
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_003904.3  
 AGGAAGCCGAGGTCTGAATTGCGCGTGGTGGCCATGGCGGCCAGCGGGGCTGTGGAACCA  
 GGGCCCCCGGGGCTGCCGTGCCCCGTGCCCCGCCCGCCCGCCCTGCCCTGAT  
 CACCTGTTCCGGCCCATCAGCGCCGAGGACGAGGAGCAGCAGCCACCGAGATCGAGTCG  
 CTATGCATGAACTGTTACTGCAATGGCATGACGCGCCTCCTGCTACCAAGATTCCTTC  
 TTCAGAGAAATAATAGTGAGCTCCTTTTCTGCGAGCACTGTGGCTGGAACAACACGGAG  
 ATCCAGTCGGCAGGCAGGATCCAGGACCAGGGAGTGGCTACACTTTGTCTGTCAGGGCT  
 CTGGAGGACATGAACAGAGAAGTGGTGAAGACTGACTCTGCTGCCACAAGGATTCCTGAG  
 CTAGATTTTAAAATTCCTGCCTTTAGCCAGAAAGGAGCTCTGACCACTGTTGAAGGATTG  
 ATCACCCGTGCTATCTCTGGCCTGGAGCAGGACCAGCCTGCACGAAGGGCAAACAAGAT  
 GCTACAGCTGAAAGAATTGATGAGTTCATTGTCAAACCTGAAGGAGCTAAAGCAAGTAGCC  
 TCCCTTTCACTCTGATCATTGATGATCCCTCAGGGAACAGTTTTGTGAAAAACCCACAT  
 GCTCCTCAGAAAGATGATGCCCTGGTGATCACACTACAACCGACCCGACAGCAGGAA  
 GAGATGCTGGGGTTCAAGAAGAAGCACCAGCAGAGAAGCCAGAAGGGAAGATCTCAGA  
 AATGAAGTGCTCCAGTTCAGCACAACTGCCCAGAATGCAATGCCCCGCTCAGACCAAC  
 ATGAAGCTAGTACAAATCCCTCACTTTAAGGAGTTATCATCATGGCTACCAACTGCGAG  
 AACTGTGGGCATCGGACCAATGAGGTGAAATCTGGAGGAGCAGTAGAACCTTGGGCACC  
 AGGATCACCTCCACATCACAGATGCCTCAGATATGACCAGAGACCTCCTCAAGTCTGAG  
 ACTTGCACTGTGGAAATCCCAGAGCTAGAATTTGAACTGGGAATGGCAGTCTCGGGGC  
 AAGTTCACCACACTGGAAGGGCTGCTGAAAGACATCCGGGAACGGTGACAAAAATCCT  
 TTCACACTGGGCGACAGTTCCAATCCTGGACAGACGGAGAGACTACAGGAGTTTAGCCAG  
 AAGATGGACCAGATCATCGAAGGTAACATGAAGGCCACTTTATTATGGATGATCCAGCA  
 GGAAACAGTTACTTGCAGATGTGTATGCGCCTGAAGATGATCCTGAGATGAAGGTGGAG  
 CGTTACAAGCGCACCTTTGACCAAAATGAGGAGCTAGGGCTCAATGACATGAAGACAGAG  
 GGCTATGAGGCAGGCCTGGCTCCGCAACGGTAGCAGTGGGTGGCTCAAGGCCAGCCTCC  
 AGCGCTGCTCTTTCTGTAGGTTATTTATAGTATTGGATGAAGGCCAAGGCTGGGAGTGT  
 CTTTCCCACCAGCCCTTGCCCATGGTGGGAGGACATCTGGTCTGAGTCAGAGATCTGTG  
 CACTTTCTAAACAGCTTGTGATGCAAGTGTGAGCCTATTGTGTTACTTGACCTTATTT  
 TGGAAGTTTTGAATTGGCCTAGGAGGAAACCCAGAAATGAACCAGGGGTATGTCATCACT  
 TTTTTCATATCAAGTCTCACCCCTCTTCCACATAATGCTCTATCCTCTAAGGTTGGAAC  
 TCTGAAGTTGGAGAAGGTGGAATAAAGTTACACCTGGAIAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_003904

**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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_003904.3](#), [NP\\_003895.1](#)

**RefSeq Size:** 1810 bp

**RefSeq ORF:** 1380 bp

**Locus ID:** 8882

**UniProt ID:** [O75312](#)

**Cytogenetics:** 11q23.3

**Domains:** Zpr1

**Gene Summary:** The protein encoded by this gene is found in the cytoplasm of quiescent cells but translocates to the nucleolus in proliferating cells. The encoded protein interacts with survival motor neuron protein (SMN1) to enhance pre-mRNA splicing and to induce neuronal differentiation and axonal growth. Defects in this gene or the SMN1 gene can cause spinal muscular atrophy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).