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Product datasheet for SC117673

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:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003904, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCCAGCGGGGCTGTGGAACCAGGGCCCCCGGGGGCTGCCGTCGCCCCGTCGCCCGCCCCGGCCC
CGCCGCCTGCCCCTGATCACCTGTTCCGGCCCATCAGCGCCGAGGACGAGGAGCAGCAGCCCACCGAGAT
CGAGTCGCTATGCATGAACTGTTACTGCAATGGCATGACGCGCCTCCTGCTCACCAAGATTCCCTTCTTC
AGAGAAATAATAGTGAGCTCCTTTTCCTGCGAGCACTGTGGCTGGAACAACACGGAGATCCAGTCGGCAG
GCAGGATCCAGGACCAGGGAGTGCGCTACACTTTGTCTGTCAGGGCTCTGGAGGACATGAACAGAGAAGT
GGTGAAGACTGACTCTGCTGCCACAAGGATTCCTGAGCTAGATTTTGAAATTCCTGCCTTTAGCCAGAAA
GGAGCTCTGACCACTGTTGAAGGATTGATCACCCGTGCTATCTCTGGCCTGGAGCAGGACCAGCCTGCAC
GAAGGGCAAACAAAGATGCTACAGCTGAAAGAATTGATGAGTTCATTGTCAAACTGAAGGAGCTAAAGCA
AGTAGCCTCCCCTTTCACTCTGATCATTGATGATCCCTCAGGGAACAGTTTTGTGGAAAACCCACATGCT
CCTCAGAAAGATGATGCCCTGGTGATCACACACTACAACCGGACCCGACAGCAGGAAGAGATGCTGGGGC
TTCAAGAAGAAGCACCAGCAGAGAAGCCAGAAGAGGAAGATCTCAGAAATGAAGTGCTCCAGTTCAGCAC
AAACTGCCCAGAATGCAATGCCCCCGCTCAGACCAACATGAAGCTAGTACAAATCCCTCACTTTAAGGAG
GTTATCATCATGGCTACCAACTGCGAGAACTGTGGGCATCGGACCAATGAGGTGAAATCTGGAGGAGCAG
TAGAACCCTTGGGCACCAGGATCACCCTCCACATCACAGATGCCTCAGATATGACCAGAGACCTCCTCAA
GTCTGAGACTTGCAGTGTGGAAATCCCAGAGCTAGAATTTGAACTGGGAATGGCAGTCCTCGGGGGCAAG
TTCACCACACTGGAAGGGCTGCTGAAAGACATCCGGGAACTGGTGACCAAAAATCCTTTCACACTGGGCG
ACAGTTCCAATCCTGGACAGACGGAGAGACTACAGGAGTTTAGCCAGAAGATGGACCAGATCATCGAAGG
TAACATGAAGGCCCACTTTATTATGGATGATCCAGCAGGAAACAGTTACTTGCAGAATGTGTATGCGCCT
GAAGATGATCCTGAGATGAAGGTGGAGCGTTACAAGCGCACCTTTGACCAAAATGAGGAGCTAGGGCTCA
ATGACATGAAGACAGAGGGCTATGAGGCAGGCCTGGCTCCGCAACGGTAG

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003904 unedited
TAGATTTTGTATACGACTTCTATAGGGCGGCCGCGAATTCGCACGAGGCGCGTGGTGGCC
ATGGCGGCCAGCGGGGCTGTGGAACCAGGGCCCCCGGGGGCTGCCGTCGCCCCGTCGCCC
GCCCCGGCCCCGCCGCCTGCCCCTGATCACCTGTTCCGGCCCATCAGCGCCGAGGACGAG
GAGCAGCAGCCCACCGAGATCGAGTCGCTATGCATGAACTGTTACTGCAATGGCATGACG
CGCCTCCTGCTCACCAAGATTCCCTTCTTCAGAGAAATAATAGTGAGCTCCTTTTCCTGC
GAGCACTGTGGCTGGAACAACACGGAGATCCAGTCGGCAGGCAGGATCCAGGACCAGGGA
GTGCGCTACACTTTGTCTGTCAGGGCTCTGGAGGACATGAACAGAGAAGTGGTGAAGACT
GACTCTGCTGCCACAAGGATTCCTGAGCTAGATTTTGAAATTCCTGCCTTTAGCCAGAAA
GGAGCTCTGACCACTGTTGAAGGATTGATCACCCGTGCTATCTCTGGCCTGGAGCAGGAC
CAGCCTGCACGAAGGGCAAACAAAGATGCTACAGCTGAAAGAATTGATGAGTTCATTGTC
AAACTGAAGGAGCTAAAGCAAGTAGCCTCCCCTTTCACTCTGATCATTGATGATCCCTCA
GGAACAGTTNTGTGGAAAACCCACATGCTCCTCAGAAAGATGATGCCCCTGGTGATCACA
CACTACAACCGGACCCGACAGCAGGAAGAGATGCTGGNGGCTTCAAGAAGAAGCACCAGC
AGAGAAGCCAGAGAAGGAAGATCTCAGAAATGAAGTGCTTCCAGTTCAGCACAAACTGGC
CAGAATNNGCATGCCCCGCTCAGACCACATGAANGCTAGTACCAATCCTCACTTTAAGGA
GGTATCATCATGGCTACCACTGCGAAGACTGTGGGNCATCGACACATGAGGTGAATCTGG
AGGGAGCAGTAAACCCTTTGGGCCACAGNATCACCTNCCATCACAGATGCCTCAGATTGA
CCGAGACCTNNCTAGTTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003904 unedited
AACCTTTTTTATTCCACTCTTNCTNCCAACTTNCANNAGTTCCAACCTTNAGNAGGATAG
NNAGCATTATNNGTGGAAGGGAGGGGGTGAGGACCNTTGATATGAAAAAAGTGATGACAT
ACCCCTGGTTCATTTCTGGGTTTCCTCCTAGGCCAATTCAAAACTTCCAAAATAAGGTCA
AGTAACACAATAGGCTCACACTTGCATCACAAGCTGTTTAGAAAGTGTGCACAGATCTCT
GACTCAGACCAGATGTCCTCCCCACCATGGGCAAGGGCTGGTGGGAAAGACACTCCCAGC
CTTCGCCTTCATCCAATACTAATAAATAACCTACAGAAAGAGCAGCGCTGGAGGCTGGCC
CTTGAGCCACCCACTGCTACCGTTGCGGAGCCAGGCCTGCCTCATAGCCCTCTGTCTTCA
TGTCATTGAGCCCTAGCTCCTCATTTTGGTCAAAGGTGCGCTTGTAACGCTCCACCTTCA
TCTCAGGATCATCTTCAGGCGCATACACATTCTGCAAGTAACTGTTTCCTGCTGGATCAT
CCATAATAAAGTGGGCCTTCATGTTACCTTCGATGATCTGGTCCATCTTCTGGCTAAACT
CCTGTAGTCTCTCCGTCTGTCCAGGATTGGAACTGTCGCCCAGTGTGAAAGGATTTTTGG
TCACCAGTTCCCGGATGTCTTTCAGCAGCCCTTCCAGTGTGGTGAACTTGCCCNCGAGGA
CTGCCATTCCCAGTTCAAATTCTAGCTCTGGGATTTNCACACTGNCAGTCTCAGACTTGA
GGGAGTCTCTGGTCATATCTGANGCATCTGTGATGTGGAGGGGTGATCCCTGGTGCCCAA
GGNNTCTACTGCTNCTNNCAGATTCACCTCATTGNTCCGATGCCCNACAGTCTCGCAGNT
GGTAGCCATGATGATAACCTCCTTAAAGGGAGGGNATTGTNACTAGCTCATGNTNGNTCT
GANCGGGGGCATTGCATTCTGGNCAGTTTGTGCTGACTGGAACCTNCATTNCTGAATCTN
CTCTCTTGCTNNCTGCTGGGGCTTCTCTGAAACCCATATCTTNCTGCTT

Restriction Sites: NotI-NotI

ACCN: NM_003904

Insert Size: 2000 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_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).