

Product datasheet for **RG205721**

ZNF259 (ZPR1) (NM_003904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF259 (ZPR1) (NM_003904) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF259
Synonyms:	GKAF; ZNF259
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205721 representing NM_003904
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCCACGGGGCTGTGGAACCAGGGCCCCGGGGCTGCCGTCGCCCCGTCGCCGCCCGGCC
 CGCGCCTGCCCTGATCACCTGTTCCGGCCATCAGCGCCGAGGACGAGGAGCAGCAGCCACCGAGAT
 CGAGTCGCTATGCATGAACTGTTACTGCAATGGCATGACGCGCCTCCTGCTCACCAGATTCCCTTCTTC
 AGAGAAATAATAGTGAGCTCCTTTCTGCGAGCACTGTGGTGGAAACAACGAGATCCAGTCGGCAG
 GCAGGATCCAGGACCAGGGAGTGCCTACACTTTGTCTGTGAGGGCTCTGGAGGACATGAACAGAGAAGT
 GGTGAAGACTGACTCTGCTGCCACAAGGATTCCTGAGCTAGATTTTAAATTCCTGCCTTAGCCAGAAA
 GGAGCTCTGACCACTGTTGAAGGATTGATCACCCGTGCTATCTCTGGCCTGGAGCAGGACCAGCCTGCAC
 GAAGGGCAAACAAGATGCTACAGCTGAAAGAATTGATGAGTTTATTGTCAAACCTGAAGGAGCTAAAGCA
 AGTAGCCTCCCTTTCACTCTGATCATTGATGATCCCTCAGGGAACAGTTTTGTGAAAAACCCACATGCT
 CCTCAGAAAGATGATGCCCTGGTATCACACACTACAACCGACCCGACAGCAGGAAGAGATGCTGGGGC
 TTCAAGAAGAAGCACCAGCAGAGAAGCCAGAAGAGGAAGATCTCAGAAATGAAGTCTCCAGTTCAGCAC
 AAATGCCAGAAATGCAATGCCCCCGCTCAGACCAACATGAAGCTAGTACAAATCCCTCACTTTAAGGAG
 GTTATCATCATGGCTACCAACTGCGAGAAGTGTGGGATCGGACCAATGAGGTGAAATCTGGAGGAGCAG
 TAGAACCTTTGGGCACCAGGATCACCTCCACATCACAGATGCCTCAGATATGACCAGAGACCTCCTCAA
 GTCTGAGACTTGAGTGTGAAAATCCAGAGCTAGAATTTGAAGTGGAAATGGCAGTCTCGGGGCAAG
 TTCACCACACTGGAAGGGCTGCTGAAAGACATCCGGGAAGTGTGACAAAAATCCTTTCACTGGGCG
 ACAGTTCAATCCTGGACAGACGAGAGACTACAGGAGTTTAGCCAGAAGATGGACCAGATCATCGAAGG
 TAACATGAAGGCCACTTTATTATGGATGATCCAGCAGGAACAGTTACTTGCAGAATGTGTATGCGCCT
 GAAGATGATCCTGAGATGAAGGTGGAGCGTTACAAGCGCACCTTTGACCAAAATGAGGAGCTAGGGCTCA
 ATGACATGAAGACAGAGGGCTATGAGGCAGGCCTGGCTCCGCAACGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205721 representing NM_003904
 Red=Cloning site Green=Tags(s)

MAASGAVEPGPPGAAVAPSPAPAPPPAPDHLFRPISAEDEEQPTEIESLCMNCYCNGMTRLLLTKIPFF
 REIIVSSFSCHEHGWNNTEIQSAGRIQDQGVRYTLVRALEDNMREVVKTDAAATRIPELDFEIPAFSQK
 GALLTVEGLITRAISGLEQDQPARRANKDATAERIDEFIVKLEKQVSPFTLIIDDPGNSFVENPHA
 POKDDALVITHYNRTRQQEEMGLQEEAPAEPKPEEEDLRNEVLQFSTNCPENAPAQTMKLVQIPHFKE
 VIIMATNCENCGHRTNEVKSAGGAVEPLGTRITLHITDASDMTRDLLKSETCSVEIPELEFELGMAVLGGK
 FTTLEGLLKDIRELVTKNPFLLGDSSNPQTERLQEFSSQKMDQIEGNMKAHFIMDDPAGNSYLNQVYAP
 EDDPEMKVERYKRTFDQNEELGLNDMKTEGYEAGLAPQR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_003904

ORF Size: 1377 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_003904.5](#)

RefSeq Size: 1810 bp

RefSeq ORF: 1380 bp

Locus ID: 8882

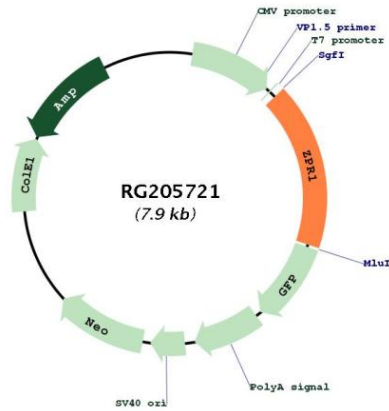
UniProt ID: [O75312](#)

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]

Product images:



Circular map for RG205721