

Product datasheet for **RG223771**

OSGIN2 (NM_004337) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSGIN2 (NM_004337) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	OSGIN2
Synonyms:	C8orf1; hT41
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223771 representing NM_004337
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCATTAGTTGAAGAACTTCTTTATTGGAAGATTCGTCAGTACTTTTCCTGTGGTAATAATAGGAA
 ATGGACCCTCAGGAATATGCCTTTCTTATATGTTATCAGGCTACAGACCGTATTTATCATCAGAAGCAAT
 ACACCCAATACAATCTTAAATAGTAAATTAGAAGAAGCAAGACATCTTCCATTGTTGATCAGGACTTA
 GAATACTGTCTGAGGGCCTTGAGGGCCGATCATCCAATCCAGTTCAGTACTTTTCGATACACTTCTTC
 ATCCAGATGCTGACTTTGGGTATGATTATCCATCCGTTTTGCATTGGAAATTAGAGCAACATCATTATAT
 CCCTCACGTAGTCTTGGTAAAGGTCCACCTGGTGGGCTTGGCATAATATGGAAGGCTCCATGTTGACA
 ATCAGCTTTGGAAGTTGGATGGAACCTGGACTTAAATTTAAGGACTGGGTATCAAGTAAACGAAGGA
 GCCTAAAAGGGGATCGAGTTATGCCAGAGGAAATAGCTCGCTACTATAAACATTATGTAAGTCAATGGG
 TCTTCAGAAGAATTTAGAGAGAATACTTACATAACTTCCGTATCAAGACTCTACAGAGATCAAGATGAT
 GATGATATTCAAGACAGAGATATTTCAACAAAGCATTTACAGATAGAGAAGTCAAACCTTTATCAAGAGAA
 ACTGGGAAATTAGGGTTATCAGCGAATAGCTGATGGTCTCATGTTCCCTTCTGCCTCTTTGCTGAGAA
 TGTAGCGCTGGCAACTGGAACGCTGGATTCTCCTGCCATCTGGAAATTGAAGGGGAAGATTTCCCTTTT
 GTGTTTCATTCAATGCCTGAATTTGGAGCTGCTATAAACAAGGAAAGTTGCGTGGCAAAGTGGATCCAG
 TGTTAATTGTAGGTTCTGGGCTTACTGCCGCTGACGCAGTACTGTGTGCTTACAACAGTAATATCCCTGT
 GATTCATGTGTTTCGCAGACGAGTAACTGATCCAAGCTTAATTTTCAAACAGCTTCCAAAAAGCTGAT
 CCTGAATATCATAAAGTCTATCATATGATGTGACTCAGTCATATTCTGTAGACTCAAATCTTTTATCTG
 ATTATACCAGCTTCCCGACACCGTGTGCTTTCCTTTAAGTCGGACATGAAATGTGTTTCCAAAGCGT
 TTCTGGATTGAAGAAAATATTTAAGCTGTCTGCAGCAGTAGTATTGATAGGTTCTCATCCTAATCTGTCT
 TTTCTGAAGGATCAAGGTTGTTACCTAGCCATAAGTCAAGCCAGCCAATCACATGTAAGGTAATCCTG
 TGGAAATAGATACATACCTATGAGTGTATTAAGAAGCCAACCTTTTTGCATTGGGTCCTTTGGTTGG
 AGACAATTTTGTTCGATTTTAAAGGGAGGGCGCTGGGTGTTACACGCTGTTTAGCTACAAGACAGAAG
 AAAAGCATTTGTTTGTGAAAGAGGAGGAGATGGGATAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223771 representing NM_004337
 Red=Cloning site Green=Tags(s)

MPLVEETSLLLEDSSVTFPVVVIIGNGPSGICLSYMLSGYRPLYSSSEAIHPNTILNSKLEEARHLSIVDQDL
 EYLSEGLEGRSSNPVAVLFDLLHPDADFgyDYPsvLHWKLEQHYYIPHVVLGKGGPPGAWHNMEGSMLT
 ISFGSWMELPGLKFKDWVSSKRRLKGDVMPPEIARYYKHYVKVMGLQKNFRENTYITSVSRLYRDQDD
 DDIQDRDISTKHLQIEKSNFIKRNWEIRGYQRIADGSHVPFCLFAENVALATGTLDSPAHLEIEGEDFPF
 VFHSMPEFGAAINKGKLRGKVDVPLIVGSLTAADAVLCAYNSNIPVIVHFRRRVTDPSLIFKQLPKKLY
 PEYHKVYHMMCTQSYSDSNLLSDYTSFPEHRVLSFKSDMKCVLQSVSGLKKIFKLSAAVVLIGSHPNLS
 FLKDQGCYLGHKSSQPITCKGNPVEIDTYTYEICKANLFAIGPLVGDNFVRFLKGGALGVTRCLATRQK
 KKHLFVERGGDGI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_004337

ORF Size: 1515 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_004337.1](#), [NP_004328.1](#)

RefSeq Size: 4199 bp

RefSeq ORF: 1518 bp

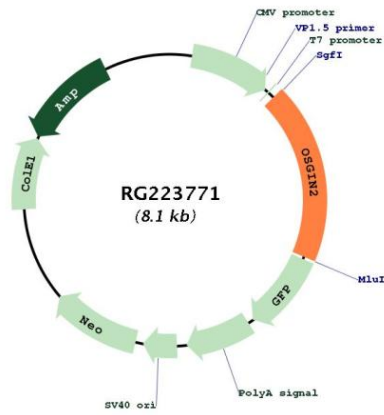
Locus ID: 734

UniProt ID: [Q9Y236](#)

Cytogenetics: 8q21.3

Gene Summary: May be involved in meiosis or the maturation of germ cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223771