

## Product datasheet for **RG225942**

### **OSGIN2 (NM\_001126111) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	OSGIN2 (NM_001126111) 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:**

>RG225942 representing NM\_001126111  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCGTGTGGTCTGCCGCTGCTCCCTGGCCGGTCATTTTCAGAACTATAGTGACACTGAACTGAAG  
 GAGAGATTTTTAATTCCTTAGTGAATACTTTGGTGACAACCTGGGGCGAAAAGTTAAAGCGATGCCATT  
 AGTTGAAGAACTTCTTTACTGGAAGATTCGTCAGTGACTTTTCCTGTGGTAATAATAGGAAATGGACCC  
 TCAGGAATATGCCTTTCTATATGTTATCAGGCTACAGACCGTATTTATCATCAGAAGCAATACACCCAA  
 ATACAATCTAAATAGTAAATTAGAAGAAGCAAGACATCTTTCCATTGTTGATCAGGACTTAGAATACTT  
 GTCTGAGGGCCTGAGGGCCGATCATCCAATCCAGTTCAGTACTTTTCGATACACTTCTCATCCAGAT  
 GCTGACTTTGGGTATGATTATCCATCCGTTTTGCATTGAAATTAGAGCAACATCATTATATCCCTCACG  
 TAGTTCCTGGTAAAGTCCACCTGGTGGGGCTTGGCATAATATGGAAGGCTCCATGTTGACAATCAGCTT  
 TGGAAATTGGATGGAACCTGGACTTAAATTTAAGGACTGGGTATCAAGTAAACGAAGGAGCCTAAAA  
 GGGGATCGAGTTATGCCAGAGGAAATAGCTCGCTACTATAAACATTATGTAAAAGTCATGGGTCTTCAGA  
 AGAATTCAGAGAGAATACTTACATAAATCCGTATCAAGACTCTACAGAGATCAAGATGATGATGATAT  
 TCAAGACAGAGATATTTCAACAAGCATTTACAGATAGAGAAGTCAAACCTTTATCAAGAGAACTGGGAA  
 ATTAGGGTTATCAGCGAATAGCTGATGGTTCTCATGTTCCCTTCTGCCTCTTTGCTGAGAATGTAGCGC  
 TGGCAACTGGAACGCTGGATTCTCTGCCCATCTGGAAATTGAAGGGGAAGATTTTCTTTTGTGTTTCA  
 TTCAATGCCTGAATTTGGAGCTGCTATAAACAAGGAAAGTTGCGTGGCAAAGTGGATCCAGTGTTAATT  
 GTAGGTTCTGGGCTTACTGCCGCTGACGCAGTACTGTGTGCTTACAACAGTAATATCCCTGTGATTCATG  
 GTTTTCGACAGAGTAAGTCACTGATCCAAGCTTAAATTTTCAAACAGCTTCCAAAAAGCTGATCCTGAATA  
 TCATAAAGTCTATCATATGATGTGTAAGTCACTAGTCAATTTCTGTAGACTCAAATCTTTTATCTGATTATACC  
 AGCTTTCCCGAGCACCGTGTGCTTTCTTTAAGTCCGACATGAAATGTGTTCTCCAAAGCGTTTCTGGAT  
 TGAAGAAAATATTTAAGCTGTCTGCAGCAGTAGTATTGATAGGTTCTCATCCTAATCTGTCTTTTCTGAA  
 GGATCAAGGGTGTACCTAGGCCATAAGTCAAGCCAGCCAATCACATGTAAGGGTAATCCTGTGGAATA  
 GATACATACCTATGAGTGTATTAAGAAGCCAACCTTTTTGCATTGGGTCCTTTGGTTGGAGACAATT  
 TTGTTTCGATTTTTAAGGGAGGGCGCTGGGTGTACACGCTGTTAGCTACAAGACAGAAGAAAAAGCA  
 TTTGTTTGTGAAAGAGGAGGAGATGGGATAGCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG225942 representing NM\_001126111  
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MPVWCCRCSLAGHFRNYSDETETEGEIFNSLVQYFGDNLGRKVKAMPLVEETSLLLEDSSVTFPVVVIIGNGP  
 SGICLSYMLSGYRPYLSSEAIHPNTILNSKLEEARHLSIVDQDLEYLSEGLEGRSSNPVAVLFDLLHDPD  
 ADFGYDYPSVLHWKLEQHHYIPHVVLGKPPGGAWHNMEGSMLTISFGSWMELPGLKFKDWVSSKRRSLK  
 GDRVMPEEIIARYYKHVYKVMGLQKNFRENTYITSVSRLYRDQDDDDIQDRDISTKHLQIEKSNFIKRNWE  
 IRGYQRIADGSHVPFCLFAENVALATGTLDSPAHLEIEGEDFPFVFHSMPEFGAAINKGKLRGKVDPVLI  
 VGSGLTAADAVLCAYNSNIPVIHVFRRRVTDPSLIFKQLPKKLYPEYHKVYHMMCTQSYSDSNLLSDYT  
 SFPEHRVLSFKSDMKCVLQSVSGLKKIFKLSAAVVLIGSHPNLSFLKDQGCYLGHKSSQPITCKGNPVEI  
 DTYTYEIKEANLFAALGPLVGNFVRFKGGALGVTRCLATRQKKHLFVERGGDGI

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001126111
<b>ORF Size:</b>	1647 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001126111.3</a>
<b>RefSeq Size:</b>	4246 bp
<b>RefSeq ORF:</b>	1650 bp
<b>Locus ID:</b>	734
<b>UniProt ID:</b>	<a href="#">Q9Y236</a>
<b>Cytogenetics:</b>	8q21.3
<b>Gene Summary:</b>	May be involved in meiosis or the maturation of germ cells.[UniProtKB/Swiss-Prot Function]