

Product datasheet for **SC117440**

OSGIN2 (NM_004337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSGIN2 (NM_004337) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSGIN2
Synonyms:	C8orf1; hT41
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117440 sequence for NM_004337 edited (data generated by NextGen Sequencing)

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ATGCCATTAGTTGAAGAACTTCTTTACTGGAAGATTCGTCAGTGACTTTTCCTGTGGTA
ATAATAGGAAATGGACCCCTCAGGAATATGCCTTTCTTATATGTTATCAGGCTACAGACCG
TATTTATCATCAGAAGCAATACACCCAAATACAATCTTAAATAGTAAATTAGAAGAAGCA
AGACATCTTTCCATTGTTGATCAGGACTTAGAATACTTGTCTGAGGGCCTTGAGGGCCGA
TCATCCAATCCAGTTGCAGTACTTTTCGATACACTTCTTCATCCAGATGCTGACTTTGGG
TATGATTATCCATCCGTTTTGCATTGGAATTAGAGCAACATCATTATATCCCTCACGTA
GTTCTTGGTAAAGGTCCACCTGGTGGGGCTTGGCATAATATGGAAGGCTCCATGTTGACA
ATCAGCTTTGGAAGTTGGATGGAATTACCTGGACTTAAATTTAAGGACTGGGTATCAAGT
AAACGAAGGAGCCTAAAAGGGGATCGAGTTATGCCAGAGGAAATAGCTCGCTACTATAAA
CATTATGTAAAAGTCATGGGTCTTCAGAAGAATTCAGAGAGAATACTTACATAACTTCC
GTATCAAGACTCTACAGAGATCAAGATGATGATGATATTCAGACAGAGATATTTCAACA
AAGCATTTACAGATAGAGAAGTCAAACCTTATCAAGAGAACTGGGAAATTAGGGGTTAT
CAGCGAATAGCTGATGGTTCTCATGTTCCCTTCTGCCTTTTGCTGAGAATGTAGCGCTG
GCAACTGGAACGCTGGATTCTCCTGCCATCTGGAATTAAGGGGAAGATTTTCCTTTT
GTGTTTCAATCAATGCCTGAATTTGGAGCTGCTATAAACAAAGGAAAGTTGCGTGGCAA
GTGGATCCAGTGTTAATTGTAGGTTCTGGGCTTACTGCCGCTGACGCACTACTGTGTGCT
TACAACAGTAATATCCCTGTGATTATGTTGTTTCGACAGAGTAACTGATCCAAGCTTA
ATTTTCAAACAGCTTCCCAAAAAGCTGTATCCTGAATATCATAAAGTCTATCATATGATG
TGTAATCAGTCAATCTGTAGACTCAAATCTTTATCTGATTATACCAGCTTTCCCGAG
CACCGTGTGCTTTCCCTTAAGTCGGACATGAAATGTGTTCTCAAAGCGTTTCTGGATTG
AAGAAAATTTAAGCTGTCTGACGAGTATTGATAGGTTCTCATCCTAATCTGTCT
TTTCTGAAGGATCAAGGGTGTACCTAGGCCATAAGTCAAGCCAGCCAATCACATGTAAG
GGTAATCCTGTGAAATAGATACATATACCTATGAGTGTATTAAGAAAGCCAACCTTTT
GCATTGGTCTTTGGTTGGAGACAATTTTGTTCGATTTTAAAGGGAGGGGCGCTGGGT
GTTACACGCTGTTTAGCTACAAGACAGAAGAAAAGCATTGTTTGTGAAAGAGGAGGA
GGAGATGGGATAGCTTAA
    
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Clone variation with respect to NM_004337.2
445 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004337 unedited

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GTGCANATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCGCGCT
CGGGCGCCCTCGCGCAGCGCTCCATGCCCGTGTGGTGTGCCGCTGCTCCCTGGCCGGT
CATTTCAGAACTATAGTGACACTGAACTGAAGGAGAGATTTTAAATCCTTAGTGCAA
TACTTTGGTGACAACCTTGGGGCGAAAAGTTAAAGCGATGCCATTAGTTGAAGAACTTCT
TACTGGAAGATTCGTCACTGACTTTTCTGTGGTAAATAGGAAATGGACCCTCAGGA
ATATGCCTTTCTTATATGTTATCAGGCTACAGACCGTATTTATCATCAGAAGCAATACAC
CCAAATACAATCTTAAATAGTAAATTAGAAGAAGCAAGACATCTTTCCATTGTTGATCAG
GACTTAGAATACTTGTCTGAGGGCCTTGAAGGCGGATCATCCAATCCAGTTGCAGTACTT
TTCGATACACTTCTTCATCCAGATGCTGACTTTGGGTATGATTATCCATCCGTTTTGCAT
TGGAAATTAGAGCAACATCATTATATCCCTCACGTAGTCTTGGTAAAGGTCCACCTGGT
GGGCTTGGCATAATATGGAAGGCTCCATGTTGACAATCAGCTNTGGAAGTTGGATGGAA
TTACCTGNACTTAAATTTAAGGACTGNGTATCAAGTANAACGAAGAGCCTAAAAGGGGAT
CGANGTATGCCAGAGGAAATAGCTCGCTACTATTAACATTATGTANAAGTCATGGGTCTT
CAGAAGAATNTCAGAGAGAATACTTACATAAATCCGTATCAAGACTCTACAGAGATCAA
GATGATGATGATTTCAAGACAGAGATATTTCAACNAGCATTACAGATAGAGAAGTCAA
ACTTTATCAAGAGAACTGGAATAG
    
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3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004337 unedited</p> <pre> ATGGACCGGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGAAATGGAAAAG AAAAATCTGACTTTATTTTCTATTTTAACCTTTAATAATTTAGACAATGCCCAAACAGTA TTACAATTTTCGAAGTACTTACCACACCCAAATACCTCAGTTTCAGTGACAGAAAAGTAAT TCAATGTTTACACAGGGATAAGTAGTTCAACCCACAATTTATNTGGAACACAAATCAG ATTCATTAATGCTATGATAGTTAAATCGAGAATAAATCTCTGAAAAACATCTTGGTGAG TTCTTGGATGTCAAAGGTATACCACATTATTGGACTGTTTAAATTATTAGAAGAAAT GAAGTACCTGTCAAGGTTTCAACGATAAAAATATTTTTTAAAAGACCCTATTTGGTAATA AATTAGATNTATACAATTGATAATTTCAAATAAATAAAATCTGAGTTGTAATGCCTNC TACCCTCACCCACCCNCAGTTATACATACCTTATATCCATTTTCATTTAAACAGTGTC TCAAATTTTTATGAGCATACATATCCCTTGGGGATCTTGTAAAAATGCANGAAGTAAAGT GTGGGGCCTGAGAGTTACATTTTACAAGCTACAGATGTAAGATGCTGCANGACCTTGCA CCACCCTTTGACAGCAAGGTGACCCATATATTTAAGATAATTTCTGGCTAATGACGGA CAGTTTTATAGATCCAGGCTGACTATTTTGGATCAGTTTATAAATACCCAATGATCTGAA AATAGTTTGCAGAAAGATGTTTAAATATGAAGCTAAGTCCCANTGCATGTTCTATTGCTG AAGGAACCTTTGACCCTGATTTATCAGATCCATTATACTTTAAATGAGTCTATGTGGGG CTTCTCGTACCTAGCGAAACAGCCGCTGGAACCTTAAATTTAAGCACTGCTTTATCTGA ACTC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004337
Insert Size:	2930 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:	<ol style="list-style-type: none"> 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]
Transcript Variant: This variant (2) uses an alternate 5'UTR resulting in translation initiation from an internal AUG site compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.