

Product datasheet for **SC123387**

OSGIN1 (NM_182981) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	OSGIN1 (NM_182981) Human Untagged Clone
Tag:	Tag Free
Symbol:	OSGIN1
Synonyms:	BDGI; OKL38
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182981 edited
CACAGGGTAATGGGTGTCCCGATGTACAGGGGACTCTGTGATCCGTGTTCCCCTGACCC
TCCTAGTGCACAACTTGGCCGGGCTCACTGGGCTCCTGCACCACTGCCTGTCAAGTCCGC
TGCCAGCCCCAAGCCCCACCAGCCATGAGCTCCTCCAGAAAGGACCACCTCGGCGCA
GCAGCTCAGAGCCCTCCCGTCATCATTGTGGTAACGGCCCTCTGGTATCTGCCTGT
CCTACCTGCTCTCCGGCTACACACCTACACGAAGCCAGATGCCATCCACCCACACCC
TGCTGCAGAGGAAGCTCACCAGGCCCGGGGGTCTCCATCCTGGACCAGGACCTGGAC
ACCTGTCCGAAGGCTCGAAGGCCGATCCAAAGCCCCGTGGCCCTGCTCTTTGATGCC
TTCTACGCCCAGACAGACTTTGGGGAAACATGAAGTCGGTCTCACCTGGAAGCACC
GGAAGGAGCACGCCATCCCCACGTGGTCTGGGCCGGAACCTCCCCGGGGAGCCTGGC
ACTCCATCGAAGGCTCCATGGTATCCTGAGCCAAGGCCAGTGGATGGGGCTCCCGGACC
TGGAGGTCAAGGACTGGATGCAGAAGAAGCAAGAGGTCTTCGCAACAGCCGGGCCACTG
CCGGGGACATCGCCCACTACTACAGGGACTACGTGGTCAAGAAGGGTCTGGGCATAACT
TTGTGTCCGGTGTGTAGTACAGCCGTGGAGTGGGGACCCCGATCCCAGCAGCTGTG
GGCCCCAGGACTCCAGCCCCCTTCCAGGTGAGCGGCTTCTGACCAGGAACCAGGCC
AGCAGCCCTTCTCGCTGTGGGCCGCAACGTGGTCTCGCCACAGGCACGTTCCAGACGC
CGCCCCGGCTGGGCATCCCCGGGGAGGCCCTGCCCTTCCATCCACCATGAGCTGTCTGCC
TGGAGGCCGCCACAAGGGTGGGTGCGGTGACCCCGGCCTCAGACCCTGTCTCATCATTG
GCGCGGGGCTGTGAGCGGCCGACGCGGTCTCTACGCCGCCACTACAACATCCCGGTGA
TCCATGCCTTCCGCCGGCCGTGGACGACCCTGGCCTGGTGTCAACCAGCTGCCAAGA
TGCTGTACCCCGAGTACCACAAGGTGCACCAGATGATGCGGGAGCAGTCCATCCTGTGCG
CCAGCCCTATGAGGGTTACCGCAGCCTCCCAGGCACCAGCTGTGTGCTTCAAGGAAG
ATGCCAGGCCGTGTTCCAGGACCTCGAGGGTGTGAGAAGGTGTTGGGGTCTCCCTGG
TGCTGGTCTCATCGGCTCCACCCGACCTCTCCTTCCCTGCTGGGGCAGGGGCTGACT
TTGCAGTGGATCCTGACCAGCCGTGAGCGCAAGAGGAACCCATTGACGTGGACCCCT
TCACCTACCAGAGCACCCGCCAGGAGGCCCTGTACGCCATGGGGCCGCTGGCCGGGGACA
ACTTCGTGAGTTTGTGCAGGGGGCGCCTTGGCTGTGGCCAGCTCCCTGCTAAGGAAGG
AGACCAGGAAGCCACCCTAACACTCGGCCAGACCCTGGCTCCCAGGCCCTGAGAGGAC
GGAGATGACCACATCCCTGCTGGATGCAGGACCCGTCAAAGATGCCCGGGGAGGGGTG
TCAGCCCACGTTGCTGGCCTTTGGGGTCAAGAGGAGTAGGGATCCCAGGCTGCCCTGGAC
TTAGACCAGTGTCTGAGGTGTAACA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_182981 unedited
AACATCTGGATTTGTACCACCTTACTATAGGCGGCCGCGCATTCCCGGGCTCACAGGG
TAATGGGTGTCCCGATGTACAGGGGACTCTGTGATCCGTGTTCCCCTGACCCCTCCTAGT
GCACAACTTGGCCGGGCTCACTGGGCTCCTGCACCACTGCCTGTCAGTCCGCTGCCAGC
CCCAAGCCCCACCAGCCATGAGCTCCTCCAGAAAGGACCACCTCGGCGCCAGCAGCTC
AGAGCCCTCCCGGTATCATTGTGGTAACGGCCCTCTGGTATCTGCCTGTCCCTACCT
GCTCTCCGGCTACACACCTACACGAAGCCAGATGCCATCCACCCACACCCCTGTGCA
GAGGAAGCTACCGAGGCCCGGGGTCTCCATCCTGGACCAGGACCTGGACTACCTGTC
CGAAGGCCCTGAAGGCCGATCCAAAGCCCCGTGGCCCTGCTCTTTGATGCCCTTCTACG
CCCAGACACAGACTTTGGGGAAACATGAAGTCGGTCTCACCTGGAAGCACCGGAAGGA
GCACGCCATCCCCACGTGGTTCTGGCCGGAACCTCCCCGNGGAGCCTGGCACTCCAT
CGAAGGCTCCATGGTATCCTGAGCCAAGGCCAGTGGATGGGGCTCCCGGACCTGGAGGT
CAAGGACTGGATGCAGAAGATGCGAAGAGGTCTTCGCAACAGCCGGGCCACTGCCGGGA
CATCGCCCACTACTACAGGGACTACGTGGTCAAGAAGGGTCTGGGCATAACTTTGTGTC
CAGTGCTGTAGTACAGCCGTGGAGTGGGGACCCCGATCCCAGCAGCTGTGGGGGCA
GGACTNCCACCCCTCTTCCAGTGAAGCGCTTCTGACCAGNAACCAGGGCCAGCACCC
TTCTCGCTGTGAGGCCGACGTGGGTCTC

Restriction Sites: Please inquire
ACCN: NM_182981

Insert Size:	1766 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_182981.1 , NP_892026.1
RefSeq Size:	1930 bp
RefSeq ORF:	1434 bp
Locus ID:	29948
UniProt ID:	Q9UJX0
Cytogenetics:	16q23.3
Gene Summary:	This gene encodes an oxidative stress response protein that regulates cell death. Expression of the gene is regulated by p53 and is induced by DNA damage. The protein regulates apoptosis by inducing cytochrome c release from mitochondria. It also appears to be a key regulator of both inflammatory and anti-inflammatory molecules. The loss of this protein correlates with uncontrolled cell growth and tumor formation. Naturally occurring read-through transcription exists between this gene and the neighboring upstream malonyl-CoA decarboxylase (MLYCD) gene, but the read-through transcripts are unlikely to produce a protein product. [provided by RefSeq, Aug 2011]