

Product datasheet for **SC322360**

Josephin 1 (JOSD1) (NM_014876) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Josephin 1 (JOSD1) (NM_014876) Human Untagged Clone
Tag:	Tag Free
Symbol:	Josephin 1
Synonyms:	dj508l15.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322360
 CCCACGCGTCCGCCACGCGTCCGCTTACATTTTATGTGTTTTTTAAATTCGCACTTT
 GACAGTGGTAGCAAAAATAAAGTAATCCAAAAGTTATTTTCTATTGAGAAGAGAGAAGA
 GGTGGGTTTTATTTTTTCTTTTGATTCCAATCTTTTCTCCAGTGACAAAGCATAAAT
 CATGGACACCAGAGAATAAGGTGGACCTCAGGAATCCGAAAAGACTGAGAAGCTTACAT
 TCTTCTCTAGAGGGAAGAGTGGGTGTTTATAGCCATCTCTGGAACCTAAAAACAAAAA
 CATGAGTTGTGTGCCATGGAAAGGAGACAAGGCCAAATCTGAATCATTGGAGCTGCCCCA
 GGCAGCACCCCCACAAATCTACCATGAGAAACAGCGCAGGGAGCTTTGTGCCCTCCACGC
 CCTCAATAACGTCTTCCAGGACAGCAATGCCTTCAACCGGATACGCTGCAAGAGATTTT
 CCAGAGGTTGTCTCCAAACACCATGGTGACACCTCACAAGAAGAGCATGCTGGGAAATGG
 CAACTACGATGTGAATGTCATTATGGCAGCACTCAGACCAAAGGCTATGAAGCTGTTTG
 GTGGGACAAGCGCAGGGATGTCGGTGTCATTGCCCTCACTAACGTCATGGGCTTCATCAT
 GAATCTGCCCTCCAGCCTATGCTGGGGTCCACTGAAACTGCCCTCAAAGGCAGCACTG
 GATCTGTGTTTCGAGAGGTGGGAGGGGCCTACTACAACCTCGACTCCAAACTCAAGATGCC
 CGAGTGGATTGGAGGCGAGAGCGAGCTCAGGAAGTTTCTAAAACATCATTTGCGAGGAAA
 GAACTGTGAACCTCTGCTGGTGGTACCAGAAGAGGTAGAGGCTCATCAGAGTTGGAGGAC
 CGATGTGTAACAGTTCTGCCAACCTCCCTCTCGCCTCAGCCCCCTCAGTCCCTGTGAC
 GTGCTGTGGCCTTACAGTGGTCTGCCCTTCCACTTCCCAAACATCTCATCAAGTTT
 TTCCCCCTCAGATCTGACAGTGCAATAGGACAGACGTGTGGACTGTTATAAGAACTACTC
 AGTGTGTTTTGTTCCCTGGGCAAGGAAGGTAGGAGTTCTGTGCACTTAAGGCCAGTGGTCACA
 AACCCCTGTGTTTTATTTAAGAGACAGAGGAGAAAGTGGAGCGGGAGGGAATCCTAGCTTA
 TTTTCCCTTTTCTATGAGGACTTGACACAGGTTCTGCTGAGTTGTCACTGCTGCTCCAGA
 CTCACCTAGAGATGCTGCCTCCACTTTCCATCCTGTCTGGGTCTGAAAACAGTGGGTCTG
 CAGATAGTGCCACAAAACCCATGTGACTGTTTTGAAGGACCCAGAGCATAAAGGTCTCT
 CAGGAAACCATGTCCAAAACCTAGCAGCGGTACAGCATGCTGTCTCAACCCCTATCCC
 CAGGTTTAAGGGTGGTTTATGGCCATACGTGGAGGTTTTTGTGTTGTTTTGAGACTG
 AGTTTCACTCTTGTGCCAGGCTGGAGTGCAATGGCACCATCTCGGCTCACTGCAACCT



[View online »](#)

```

CCACCTCCTGGTTCAAGCGATTCTCAGGCCTCAGCTTCCCAAGTAGTTGGGATTACAGGC
GCCTGCCACCACCTGGCTAATTTTGTATTTTAGTAGAGATGGGGTTTCTCCATGTTG
GTCAGGCTGGTCTCAAACCTCCCGACCTCAAGTGATCTGCCCGCTTGGCCTCCCAAAGTG
CTGGGATTACAGGCGTGAGCCACCGCACCCGGCAGAGTTTATAATGAAAAATTAACATA
TATTCTAGTATGAAGTGAGGAGGATACTGAACAGGATGTGGCTAAAGCCAACCTGGGACA
GCCATGGGGTGGCTTGGTTTCTCACTCCAGTGTGTCCCTACCATTTTCGAGCATTGAT
TTAGGAGGCTCTGGGACAAAAGAGAAGCCAAGAGCAGTTTTCCAGTTCACTCACTCTG
GCAAAATCAGGAAAAAAGTCTGCTTTTGACATCAAATTCACATAATTTGGGGCAGCGT
TGGGTGAGGAAAGTATTGTGAAGACAGGCTTCTGGAGTAGGGGAGCCACAATTCAGTA
GACACTCTAGGCTCGGAGGCTGCCACTGTAGTTGCCAAGCTCAGGTTGGGTGGTTCTGTG
CTGTATGGATGGAATAGGACCTGGGCTGGTCATCTTCATGTGTTTTCTCTGTATCAA
TGGAAAGTCAACCCGCCCTACCTTTCAGATAGTTGTAGGCCACTTTTCTTGTAACT
TTGGAAAAAAAAGAGGAGAAATAAGTATCATACCATATGCGTGTCTCCAAAGTGGATGT
GGTTGCCCTCAAGGCAGGTGGCAGGCAGGGTGACCTGCTGGCCCTCAGATCAATGGTCGT
GGCAGGCTGAGAGCTGTCCACTGGCCAGACTTCTCTCCAGCAGAAAGCCAGCCTGGG
GCTTGCATGTTGATCCTGAGCAAGCTTAACGGGGTGAAGCTGGGCTTTCTCCCCCTGTG
ACTGGAGTGCATGTTGACACCAGCACTTTTTCTGCACATGTATCTTCAATCCAACAGGC
CGTTTTTTTAAATGCTGAGTAACAGGCCACCAAGCGGCTACTGCGTTATATCTTCTCAGCA
ACTGGCCGAGTCTCTTCTGCACATTTTCTACACCAGACCTGCTGGCACCACAGGGAG
CTCTTTTCTGCCTGCACAATGACATTTCAACCACCACCAGCCAGACATTACAGCCAAC
CTTGCTGATTGTCACAAGCAGGACCTTGGGGCCACTGGCACTGTCAGATAGTAAGCCATT
TCTTGGGTAGAGGAGGAACTCCTCTCCACAAATCCACTTGGGCTGTGCAAATGGCACT
TGAAAGAGTCCCATGCACCTGGAGTCCATGAGCCAATGGGATATGCAAAGACGCTTAAA
CATTTTCAGGGCTGGTTTCTCTGTTTCATATCCAATTCGGTGCTTAGGAACAGGGACCCAT
GCTGATGCCCAAGGGCAAAAAGCCCACTTCTTTAAGGAAGTGAACAGGCCTGACCCTG
ATGCCCAATAACGGGCAACCCTAGGCTTTTTGTTTTTCTGCTTTTATTCTTTTTGTTG
TTGGCCTTGTGCTGCGTTTTGTTTACAAAAGATGATTTTGTTTAACCAAAATATTAATAA
GGAAAACCTCAAAAAAAAAAAAAAAAAA
    
```

Restriction Sites:

Please inquire

ACCN:

NM_014876

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_014876.3, NP_055691.1</u>
RefSeq Size:	3207 bp
RefSeq ORF:	609 bp
Locus ID:	9929
UniProt ID:	<u>Q15040</u>
Cytogenetics:	22q13.1
Domains:	Josephin
Protein Families:	Druggable Genome
Gene Summary:	<p>Deubiquitinates monoubiquitinated probes (in vitro). When ubiquitinated, cleaves 'Lys-63'-linked and 'Lys-48'-linked poly-ubiquitin chains (in vitro), hence may act as a deubiquitinating enzyme. May increase macropinocytosis and suppress clathrin- and caveolae-mediated endocytosis. May enhance membrane dynamics and cell motility independently of its catalytic activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript. Variants 1, 2, and 3 encode the same protein.</p>