

## Product datasheet for **RC232033**

### Josephin 2 (JOSD2) (NM\_001270640) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Josephin 2 (JOSD2) (NM_001270640) Human Tagged ORF Clone          |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Josephin 2  |
| Synonyms:                 | SBBI54  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC232033 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCCAGGCCCGGGAGCACAGCCGAGCCACCCACCGTGTACCACGAACGGCAGCGCCTGGAGCTGT  
GTGCTGTCCAGCCCTCAACAACGTTCTGCAGCAGCAGCTCTTTAGCCAGGAGGCTGCCGATGAGATCTG  
CAAGAGGTTGGCCCAGACTCCCGGCTGAACCCTCATCGAGCCTCCTGGCACCAGCAACTATGATGTC  
AATGTGATCATGGCCGCTCTGCAGGGGCTGGCCCTGGCCGCGTGTGGTGGACAGGAGGAGGCCCTGT  
CCCAGCTGGCCCTGCCAGGACTGGGGCTGATCCTGAACCTGCCCTCGCCGTCGCTGGGGCTGCT  
GTCAGTGGCGCTGCGCCGCGGCACTGGGTGGCCCTGCGCCAGGTGGACGGTGTCTACTACAACCTGGAC  
TCCAAGCTGCGGGCGCCGAGGCCCTGGGGATGAGGACGGAGTCAGGGCCTTCTGGCGCTGCGCTGG  
CCCAGGGCCTGTGCGAGGTGCTGCTGGTGTAGTACCAAGGAGGTGGAGGAGAAGGGCAGCTGGCTGCGGAC  
AGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |  |
|-------------------|--|
| Protein Sequence: | >RC232033 protein sequence<br>Red=Cloning site Green=Tags(s) |
|-------------------|--|

MSQAPGAQPSPTVYHERQRLCAVHALNNVLQQQLFSQEADEICKRLAPDSRLNPHRSLGTYNDV  
NVIMAALQGLGLAAVWDRRRPLSQLALPQVLGLILNLPSPVSLGLLPLRRRHVVALRQVDGVYYNLD  
SKLRAPEALGDEGVRFLAAALAQGLCEVLLVVTKEVEEKGSWLRTD

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6360\\_h06.zip](https://cdn.origene.com/chromatograms/mk6360_h06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001270640

**ORF Size:** 564 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\\_001270640.1](#), [NP\\_001257569.1](#)

**RefSeq Size:** 1014 bp

**RefSeq ORF:** 567 bp

**Locus ID:** 126119

UniProt ID: [Q8TAC2](#)

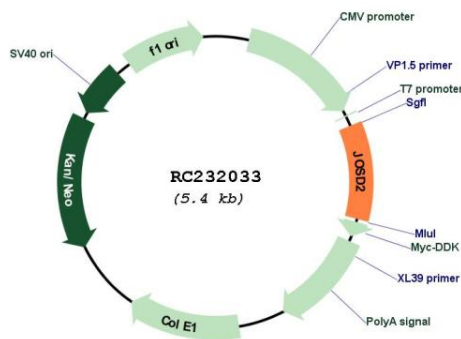
Cytogenetics: 19q13.33

Protein Families: Druggable Genome

MW: 20.8 kDa

Gene Summary: This gene encodes a protein containing a Josephin domain. Josephin domain-containing proteins are deubiquitinating enzymes which catalyze the hydrolysis of the bond between the C-terminal glycine of the ubiquitin peptide and protein substrates. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

**Product images:**



Circular map for RC232033