

Product datasheet for **RC231828**

Josephin 2 (JOSD2) (NM_001270641) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Josephin 2 (JOSD2) (NM_001270641) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: JOSD2
Synonyms: SBB154
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231828 representing NM_001270641
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

**ATGTCCCAGGCCCGGGAGCACAGCCGAGCCACCCACCGTGTACCACGAACGGCAGCGCCTGGAGCTGT
GTGCTGCCAGCCCTCAACAACGTTCTGCAGCAGCAGCTCTTTAGCCAGGAGGCTGCCGATGAGATCTG
CAAGAGGCCCTGTCCCAGCTGGCCCTGCCAGGTAAGTGGGGTGTATCTGAACCTGCCCTCGCCCGTG
TCGCTGGGGTGTCTGACTGCCGCTGCCCGGGCGGCACTGGGTGGCCCTGCGCCAGGTGGACGGTGTCT
ACTACAACCTGGACTCCAAGCTGCGGGCGCCGAGGCCCTGGGGATGAGGACGGAGTCAGGGCCTTCT
GGCGGTGCGCTGGCCAGGGCCTGTGCGAGGTGCTGCTGGTAGTGACCAAGGAGGTGGAGGAGAAGGGC
AGCTGGCTGCGGACAGAC**

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RC231828 representing NM_001270641
Red=Cloning site Green=Tags(s)

MSQAPGAQPSPTVYHERQRLCAVHALNNVLQQQLFSQEADEICKRPLSQLALPQVLGLILNLPSPV
SLGILLPLRRRHVALRQVDGVYNNLDSKLRAPALGDEEDGVRAFLAAALAQGLCEVLLVVTKEVEEKG
SWLRTD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

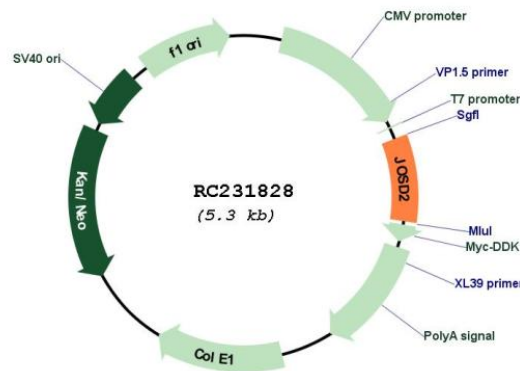


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001270641

ORF Size: 438 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:	<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_001270641.1, NP_001257570.1</u>
RefSeq Size:	891 bp
RefSeq ORF:	441 bp
Locus ID:	126119
UniProt ID:	<u>Q8TAC2</u>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
MW:	16.5 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]