

Product datasheet for RC209025

Josephin 2 (JOSD2) (NM_138334) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Josephin 2 (JOSD2) (NM_138334) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Josephin 2
Synonyms: SBB154
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC209025 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCCAGGCCCGGGAGCACAGCCGAGCCACCCACCGTGTACCACGAACGGCAGCGCCTGGAGCTGT
 GTGCTGTCCAGCCCTCAACAACGTTCTGCAGCAGCAGCTCTTTAGCCAGGAGGCTGCCGATGAGATCTG
 CAAGAGGTTGGCCCGACTCCCGGCTGAACCCTCATCGAGCCTCTGGCCACCGGCAACTATGATGTC
 AATGTGATCATGGCCGCTCTGCAGGGGCTGGCCCTGGCCGCGTGTGGTGGGACAGGAGGAGGCCCTGT
 CCCAGCTGGCCCTGCCAGGACTGGGGCTGATCCTGAACCTGCCCTCGCCGTCGCTGGGGCTGCT
 GTCAGTGGCGCTGCGCCGCGGCACTGGGTGGCCCTGCGCCAGGTGGACGGTGTCTACTACAACCTGGAC
 TCCAAGCTGCGGGCGCCGAGGCCCTGGGGATGAGGACGGAGTCAGGGCCTTCTGGCGCTGCGCTGG
 CCCAGGGCCTGTGCGAGGTGCTGCTGGTGTAGTACCAAGGAGGTGGAGGAGAAGGGCAGCTGGCTGCGGAC
 AGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC209025 protein sequence
 Red=Cloning site Green=Tags(s)

MSQAPGAQPSPTVYHERQRLLECAVHALNNVLQQQLFSQEADEICKRLAPDSRLNPHRSLGTYNDV
 NVIMAALQGLGLAAVWDRRRPLSQLALPQVLGLILNLPSPVSLGLLPLRRRHVVALRQVDGVYYNLD
 SKLRAPEALGDEGVRFLAAALAQGLCEVLLVVTKEVEEKGSWLRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

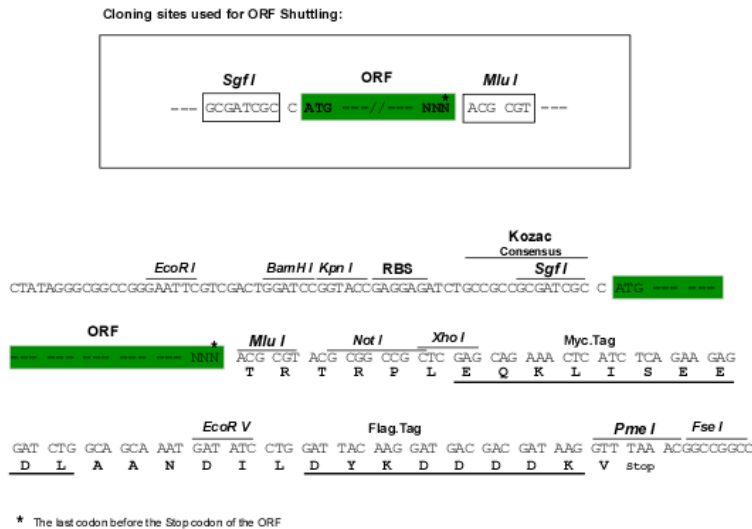


[View online »](#)

Chromatograms: https://cdn.origene.com/chromatograms/mk6360_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138334

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_138334.4](#)

RefSeq Size: 863 bp

RefSeq ORF: 567 bp

Locus ID: 126119

UniProt ID: [Q8TAC2](#)

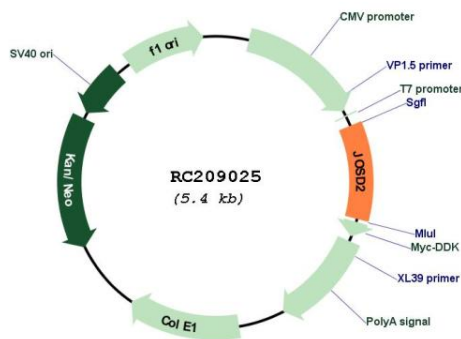
Cytogenetics: 19q13.33

Protein Families: Druggable Genome

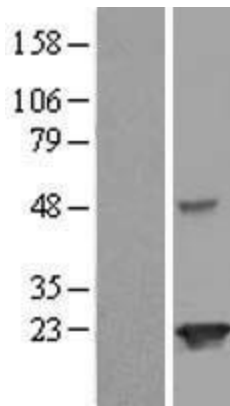
MW: 20.8 kDa

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]

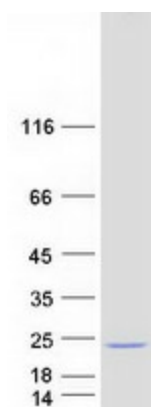
Product images:



Circular map for RC209025



Western blot validation of overexpression lysate (Cat# [LY408621]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209025 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified JOSD2 protein (Cat# [TP309025]). The protein was produced from HEK293T cells transfected with JOSD2 cDNA clone (Cat# RC209025) using MegaTran 2.0 (Cat# [TT210002]).