Product datasheet for RG231828

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

Product data:

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Product Type:	Expression Plasmids
Product Name:	Josephin 2 (JOSD2) (NM_001270641) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	JOSD2
Synonyms:	SBBI54
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231828 representing NM_001270641 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCCCAGGCCCCGGGAGCACAGCCGAGCCCACCCACCGTGTACCACGAACGGCAGCGCCTGGAGCTGT GTGCTGTCCACGCCCTCAACAACGTTCTGCAGCAGCAGCTCTTTAGCCAGGAGGCTGCCGATGAGATCTG CAAGAGGCCCCTGTCCCAGCTGGCCCTGCCCCAGGTACTGGGGCTGATCCTGAACCTGCCCTCGCCCGTG TCGCTGGGGCTGCTGTCACTGCCGCTGCGCCGGCGGCACTGGGTGGCCCTGCGCCAGGTGGACGGTGTCT ACTACAACCTGGACTCCAAGCTGCGGGCGCCCGAGGCCCTGGGGGATGAGGACGGAGTCAGGGCCTTCCT GGCGGCTGCGCTGGCCCAGGGCCTGTGCGAGGTGCTGCTGGTAGTGACCAAGGAGGTGGAGGAGAAGGGC AGCTGGCTGCGGACAGAC ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA
Protein Sequence:	>RG231828 representing NM_001270641 Red=Cloning site Green=Tags(s) MSQAPGAQPSPPTVYHERQRLELCAVHALNNVLQQQLFSQEAADEICKRPLSQLALPQVLGLILNLPSPV SLGLLSLPLRRRHWVALRQVDGVYYNLDSKLRAPEALGDEDGVRAFLAAALAQGLCEVLLVVTKEVEEKG SWLRTD TRTRPLE – GFP Tag – V
Restriction Sites:	SgfI-MluI

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Cloning Scheme:
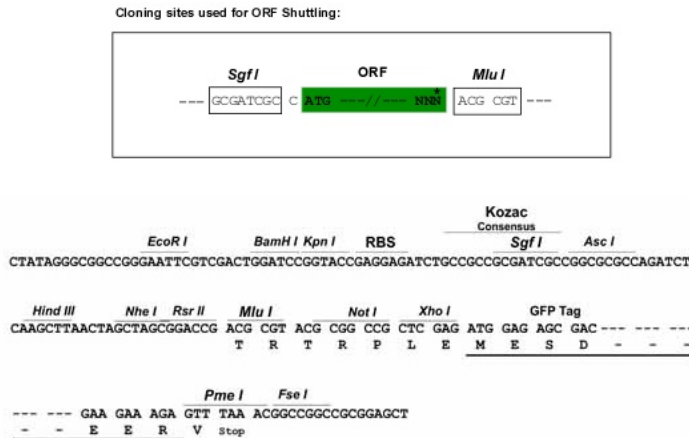
Plasmid Map:
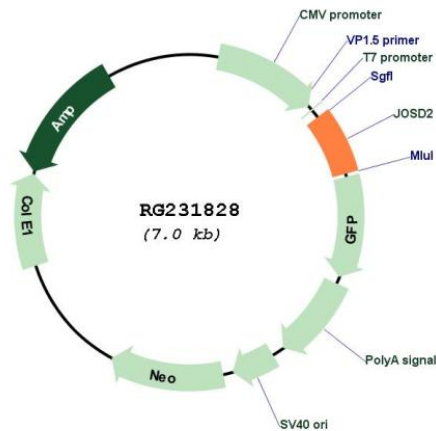
ACCN:	NM_001270641
ORF Size:	438 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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:	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_001270641.1, NP_001257570.1
RefSeq Size:	891 bp
RefSeq ORF:	441 bp
Locus ID:	126119
UniProt ID:	Q8TAC2
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome
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]