

Product datasheet for **MR224848**

Uspl1 (NM_001115149) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Uspl1 (NM_001115149) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Uspl1
Synonyms: E430026A01Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR224848 representing NM_001115149
Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ATTCAGAAGATTGCCCCTCCAAGTAAGCCTCAAAAACGAAAAAGATTGGAAACCAACTGTAGGAATTC
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 AAGCACCTAGTGAATTCAGTGTGCTCCAGAACACATGTCTGAAACAGGACCATGATTACTGACGCC
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224848 representing NM_001115149
 Red=Cloning site Green=Tags(s)

MTDDSLKIGNLPLVPGTVDVGISSLPMLGYLGKNYASAKVTTDGHCPACRAKGLSALKPYRISFQESV
 FLCEDLQCIYPLGSESLTNLISPDSEDCPTPSKPKRRLKLETCRNSPLPVHSHKTRSHIVTDSEPIVNG
 KYNGEVCCDFSASFDPDTSAHQDPASTAASVEQSEALEADDVVVAATEDPATVSVTSELEMPAKSRCLPLC
 QTL CVQWKNTQALCWLDCILSALVHLEVLKRVLEACSREECVFGRLFEMYHQADELLHHLHGVTGED
 CKKLTSEIFTEIDTCLNKVRDEIFAKLQPKLRCTLDGMESPVFALPVLLKLEPHVESLFTYSFSWNFECS
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 VPIEEAACLPCMKNVQPVSGEEQPTCPALCSLAGTATSEPSVAHPTSMAGAPQTLPEIQAVAHGDSVLS
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 GKLVAPCVDSFSPSQA VSTDLQAVLSQAGDTPVNPVTDAPVPVLVQELKSLATEKDSQTQLPLKTEKL
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 SRPAPLRHRSPGNESAI SPASRGDAEDQVHKLRLKLLKLLKAKKKLAALISSPHREPSLSDHSEPAH
 CGTPASDQSEPVSHCGSPNDCEIEDLLKELQHQIDLADSKSGCT SAPDATSNNSQSHEEILAE LLSPTA
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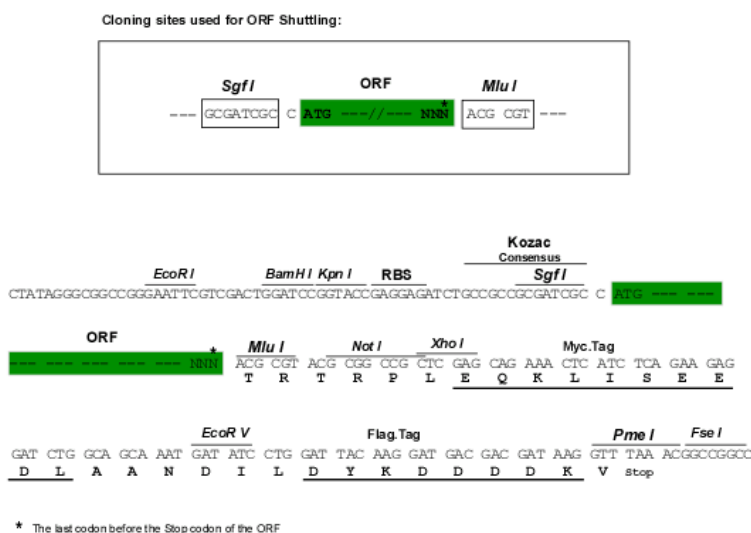
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2103_c11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001115149

ORF Size: 3267 bp

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 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_001115149.1](#), [NP_001108621.1](#)

RefSeq Size: 3772 bp

RefSeq ORF: 3270 bp

Locus ID: 231915

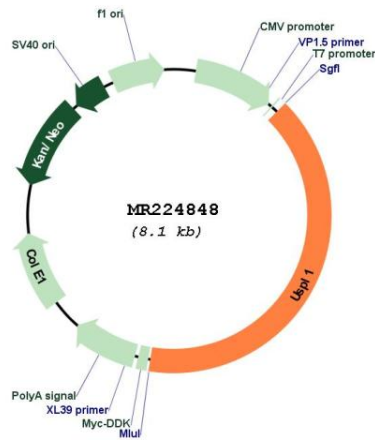
UniProt ID: [Q3ULM6](#)

Cytogenetics: 5 G3

MW: 118.9 kDa

Gene Summary: SUMO-specific isopeptidase involved in protein desumoylation. Specifically binds SUMO proteins with a higher affinity for SUMO2 and SUMO3 which it cleaves more efficiently. Also able to process full-length SUMO proteins to their mature forms (By similarity). Plays a key role in RNA polymerase-II-mediated snRNA transcription in the Cajal bodies (By similarity). Is a component of complexes that can bind to U snRNA genes (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224848