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Product datasheet for MR224850

Uspl1 (NM_001115150) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uspl1 (NM_001115150) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Uspl1
Synonyms:	E430026A01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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ORF Nucleotide Sequence:

>MR224850 representing NM_001115150
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence:

>MR224850 representing NM_001115150
Red=Cloning site Green=Tags(s)

MPAKSRCLPLCQTLCVQWKNTQALCWLDCILSALVHLEVLRKTVLEACSREECVFGRLFEMYHQADELLH
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FVEGLPRRDLQHYAFHFEGSLYQVTSVIQYQANNHFITWFLDADGSWLECDDLKGPCAKRHVTCEVPASE
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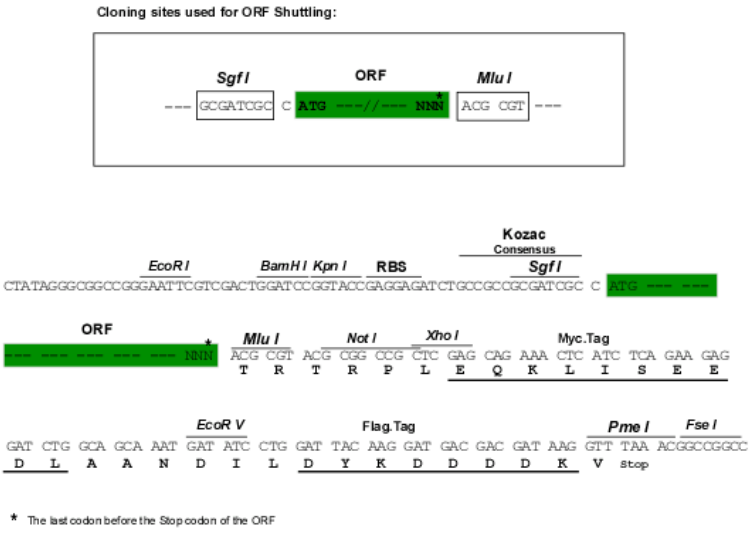
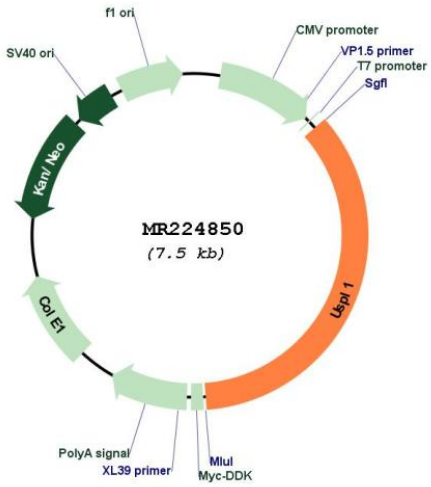
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001115150
ORF Size:	2670 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_001115150.1, NP_001108622.1
RefSeq Size:	3603 bp
RefSeq ORF:	2673 bp
Locus ID:	231915
UniProt ID:	Q3ULM6
Cytogenetics:	5 G3

MW:	97.7 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]