

Product datasheet for **MG224853**

Uspl1 (NM_001115151) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Uspl1 (NM_001115151) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Uspl1
Synonyms:	E430026A01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224853 representing NM_001115151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGCTAAGAGCAGATGTTTACCACTTTGCCAGACTCTGTGTGCCAGTGAAAAACACCCAGGCC
TGTGCTGGTTAGACTGTATCCTGTCAGCCCTGGTGCCTTGGAGGTGTTGAGGAAGACTGTGCTGGAGGC
GTGCTCCAGGGAGGAGTGTGATTTGGAAGGCTGTTTAAAATGTACCACCAAGCAGATGAGCTGCTGCAC
ACCCATCACCTGCATGGCGTCACAGGTGAAGATTGAAAAAATTGACATCAGAAATTTACAGAAATAG
ATACCTGTTTGAATAAAGTTAGAGATGAAATTTTGTAACTTCAACCGAAGCTTAGATGCACATTAGG
TGACATGGAAAGTCTGTGTTTGCACCTTCTGTACTGTTAAAGCTTGAACCCCATGTTGAAAGCCTCTT
ACATATCTTTTTCTTGGAAATTTGAATGTTCCATTGTGGACACCAAGTACCAAAACAGGTGTGTGAAGA
GTCTGGTCACTTTACCAATATTGTTTCTGAGTGGCATCCAATCAATGCTGCCCATTTTGGTCCATGTAA
CAGCTGCAACAGTAAATCAGAAATAAGAAAAATGGTGTGGAAAGAGCGTCGCCCATACTCATGCTGCAC
TTCGTGGAGGGCTTACCAAGGAGGATTTGCAACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAG
TCACGTCGGTAATACAGTACCAAGCAAATAACCATTTTATAACATGGTTTTAGATGCTGATGGGAGTTG
GCTGGAGTGTGATGACCTAAAGGGTCCCTGTGCTAAAAGGCACGTGACCTGTGAAGTGCCAGCTTCAGAG
ACACATATCGTTATTTGGGAAAGAAAATCCCAGGTGCAATTGAAGAAGCTGCCTGCCTTCCATGCATGA
AGCCAAATGTGCAGCCTGTATCAGGAATTGAAGTCCCTGGCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224853 representing NM_001115151
Red=Cloning site Green=Tags(s)

MPAKSRCLPLCQTLVCVQWKNTQALCWLDICLSALVHLEVLKTKVLEACSREECVFGRLFEMVHQADELLH
 THHLHGVTGEDCKKL TSEIFTEIDTCLNKVRDEIFAKLQPKLRCTLGDMESPVFALPVLLKLEPHVESLF
 TYSFSWNFECSHCGHQYQNRCKSLVTF TNIVPEWHPLNAAHFGPCNSCNSKSKQIRKMLERASPIMLH
 FVEGLPRRDLQHYAFHFEGSLYQVTSVIQYQANNHFITWFLDADGWSWLECDLKGPCAKRHVTCEVPASE
 THIVIWERKSQVPIEEAACLPCKPNVQPVSGIEVPGN

TRTRPLE - GFP Tag - V

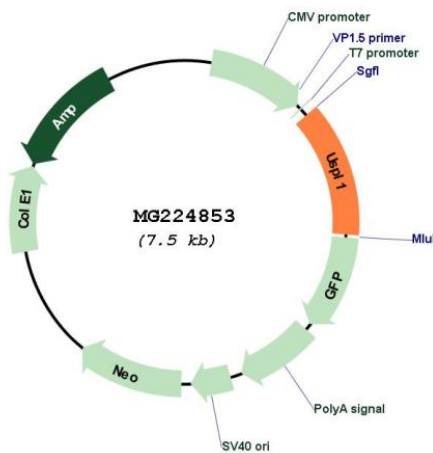
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001115151

ORF Size: 954 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:	NM_001115151.1 , NP_001108623.1
RefSeq Size:	3103 bp
RefSeq ORF:	957 bp
Locus ID:	231915
UniProt ID:	Q3ULM6
Cytogenetics:	5 G3
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]