

## Product datasheet for MR224853

### Usp11 (NM\_001115151) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Usp11 (NM_001115151) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp11
Synonyms:	E430026A01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR224853 representing NM_001115151 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCAGCTAAGAGCAGATGTTTACCACCTTTGCCAGACTCTGTGTGTCCAGTGGAAAAACCCAGGCC  
TGTGCTGGTTAGACTGTATCCTGTCAGCCCTGGTGCCTTGGAGGTGTTGAGGAAGACTGTGCTGGAGGC  
GTGCTCCAGGGAGGAGTGTGATTTGGAAGGCTGTTTGAATGTACCACCAAGCAGATGAGCTGCTGCAC  
ACCCATCACCTGCATGGCGTCACAGGTGAAGATTGTAAAAAATTGACATCAGAAATATTTACAGAAATAG  
ATACCTGTTTGAATAAAGTTAGAGATGAAATTTTTGCTAAACTTCAACCGAAGCTTAGATGCACATTAGG  
TGACATGGAAAGTCTGTGTTTGCACCTCCTGTACTGTTAAAGCTTGAACCCCATGTTGAAAGCCTCTTT  
ACATATTCTTTTTCTTGGAAATTTGAATGTTCCCATTTGTGGACACCAGTACCAAAACAGGTGTGTGAAGA  
GTCTGGTCACCTTTACCAATATTGTTCCCTGAGTGGCATCCACTCAATGCTGCCCATTTTGGTCCATGTAA  
CAGCTGCAACAGTAAATCAGAAATAAGAAAAATGGTGTGGAAAGAGCGTCGCCATACTCATGCTGCAC  
TTCGTGGAGGGCTTACCAAGGAGGGATTTGCAACACTATGCCTTCCACTTTGAAGGAAGCCTTTATCAAG  
TCACGTCGGTAATACAGTACCAAGCAAATAACCATTTTATAACATGGTTTTTAGATGCTGATGGGAGTTG  
GCTGGAGTGTGATGACCTAAAGGTCCTGTGCTAAAAGGCACGTGACCTGTGAAGTGCCAGCTTCAGAG  
ACACATATCGTTATTTGGAAAGAAAAATCCAGGTGCCAATTGAAGAAGTGCCTGCCTTCCATGCATGA  
AGCCAAATGTGCAGCCTGTATCAGGAATTGAAGTCCCTGGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR224853 representing NM\_001115151  
 Red=Cloning site Green=Tags(s)

MPAKSRCLPLCQTL CVQWKNTQALCWLDICLSALVHLEVL RKTVLEACSREECVFGRLFEMVHQADELLH  
 THHLHGVTGEDCKKL TSEIFTEIDTCLNKVRDEIFAKLQPKLRCTLGDMESPVFALPVLLKLEPHVESLF  
 TYSFSWNFECSHCGHQYQNRVKS LVTFTNIVPEWHLNAAHFGPCNSCNSKSKQIRKMLERASPIMLH  
 FVEGLPRRD LQHYAFHFEGSLYQVTSVIQYQANNHFITWFLDADGWSWLECDLKGPCAKRHVTCEVPASE  
 THIVIWERKSQVPIEEAACLPCKMPNVQPVSGIEVPGN

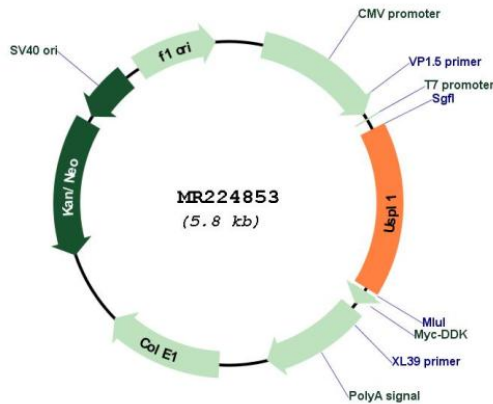
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001115151

**ORF Size:** 954 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001115151.1</a> , <a href="#">NP_001108623.1</a>
<b>RefSeq Size:</b>	3103 bp
<b>RefSeq ORF:</b>	957 bp
<b>Locus ID:</b>	231915
<b>UniProt ID:</b>	<a href="#">Q3ULM6</a>
<b>Cytogenetics:</b>	5 G3
<b>MW:</b>	36.8 kDa
<b>Gene Summary:</b>	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]