

Product datasheet for MR231553

Usp11 (NM_001286824) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp11 (NM_001286824) 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:	>MR231553 representing NM_001286824 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGATGATTCTCTGAAGATTGGAATGGTTGCCACTGGTTGGACCAGGGACTGATAATTATGCTT
CAGCTAAAGTCACAACAGACGGCATTGCCCTGCTTGTAGAGCGAAAGGCAAGCTAAGTGCCTTAAAC
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CACTGATAGTGAACCAATTGTGAATGGTAAATATAATGGAGAAGTGTGTGATGACTTCTCAGCAAGCTTC
CCAGATACCAGTGCTCACCAGGATCCTGCCAGCACAGTCTTCTGTGGAGCAGAGTGAGGCTTTGGAGG
CTGATGATGTGGTTGTGGCCGCTACAGAAGATCCTGCTACAGTTAGTGTACATCTGAGCTGGAAATGCC
AGCTAAGAGCAGATGTTTACCCTTTGCCAGACTCTGTGTGTCCAGTGGAAAAACCCAGGCCCTGTGC
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CCTCAGAACCCTCAGTCGCCATCCCACATCTATGGCAGGCGCTCCTCAGACTCTTCCAGAAATCCAAGC
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 CAGTGCCTGTATAAGAACCTTGAACCTGGGGAGTCCCATGAAGACTGATATCTTTGATGATTTTTTTTCC
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 ATTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231553 representing NM_001286824
 Red=Cloning site Green=Tags(s)

MTDDSLKIGNLPLVGPSTDNYASAKVTTDGHCPACRAKGLSALKPYRISFQESVFLCEDLQCIYPLGS
 ESLTNLISPDEDCPTPSKPQKRKRLETNCRNSPLPVHSHKTRSHIVTDSEPIVNGKYNGEVCDDFSASF
 PD TSAHQDPASTAASVEQSEALEADDVVVAATEDPATVSVTSELEMPAKSRCLPLCQTL CVQWKNTQALC
 WLD CILSALVHLEVL RKT VLEACSREECVFGRLFEMYHQADELLHTHHLHGVTGEDCKKL TSEIFTEIDT
 CLNKVRDEIFAKLQPKLRCTLGDMESPVFALPVLLKLEPHVESLFTYSFSWNFECSHCGHQYQNRVKSL
 VTFTNI VPEWHPLNAAHFGPCNSCNSKSKQIRKMLERASPI LMLHFVEGLPRRDLQHYAFHFEGSLYQVT
 SVIQYQANNHFITWFLDADGSWLECDLKGPCAKRHVTCEVPASETHIVIWERKSQVPIEEAACLPCKMP
 NVQPVSGEEQPTCPALCSLAGTATSEPSVAHPTSMAGAPQTLPEIQAVAHGDSVL SGAKGMVDSILPSAL
 EETIQETASVSQVDSKDCLLEDKPVAGSALVRVLA FQPQDSPGSSGSSLVSSLCEGKLVAPCVDSFFPS
 QAVSTDLQAVLSQAGDTPVNPVTDAPVPVLVQELKSLATEKDSQTQLLPLKTEKLDPEQPGKSQASNL R
 KRETTASKTVAARSAQNQPRKEDQKRAFVGSWVKGLLSRGGAFMPTCVLSQSRAVSDLQPSVKGASNFD
 GFKTKSISRSRKMSRKAHMEELSPRNSPPLSWTAAAL TQAAENATSALLREQEGSRPAPLRHRSPGNE
 SAISPASRGDAEDQVHKLRLKLLKLLKAKKKLAALISSPHREPSLSDHSEPASHCGTPASDQSEPVSH
 CGSPNDCE SIEDLLKELQHQIDLADSKSGCT SAPDATSNNSQSHEEILAE LL SPTAMSEPSSEGELELRY
 LEMGDSTPAQAPSEF SVVSQNTCLKQDHDYCSPEKGQREVDLHSVMSACIRTLNLGSPMKTDIFDDFFS
 TSALNSLTNDTLDIPHFDDSLFENC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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:	<u>NM_001286824.1, NP_001273753.1</u>
RefSeq Size:	3730 bp
RefSeq ORF:	3228 bp
Locus ID:	231915
UniProt ID:	<u>Q3ULM6</u>
Cytogenetics:	5 G3
MW:	117.4 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]