

Product datasheet for SC116537

USPL1 (NM_005800) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USPL1 (NM_005800) Human Untagged Clone
Tag:	Tag Free
Symbol:	USPL1
Synonyms:	bA121O19.1; C13orf22; D13S106E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116537 sequence for NM_005800 edited (data generated by NextGen Sequencing)

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ATGATGGATTCTCCGAAGATTGGAAATGGTTTGCCAGTGATTGGACCAGGGACTGATATA
GGGATATCTTCACTCCACATGGTGGGGTATTTGGGAAAAATTTTGATTGAGCTAAAGTT
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TCTCTGACAAATAATGCCTGCGTTAGAACATTAACCTGGAGAGTCCGATGAAGACTGAT
ATTTTCGATGAGTTTTTTCTCCTCAGCATTAAATGCTTTAGCAATGACACATTAGAC
CTACCTCATTTTCGATGAATATCTGTTTGAGAATTATTGA

Clone variation with respect to NM_005800.4
1592 t=>c;2849 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005800 unedited
TAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGTGGAGACGCGAGTGGGGG
AGGAGCAGTCCGAGGGGAACGTGGGTTGAACGTTGCAACTAGGGTGGAGATCAAGCTGGA
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CGAATTAGTTTTCAAGAACTATCTTTTTGTGTGAGGATCTGCAGTGCATCTATCCTTTG
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GAAGGATGTCATCTAACTGGGAAAGGCACTGGAAAGCAAATGACATCATTTTCCAGCC
TTATGTGTCCAGGGGAAAATGCTTATGCTCTCTGTTGGTAGAACC

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 (PubMed:22878415). Plays a key role in RNA polymerase-II-mediated snRNA transcription in the Cajal bodies (PubMed:24413172). Is a component of complexes that can bind to U snRNA genes (PubMed:24413172).[UniProtKB/Swiss-Prot Function]