

Product datasheet for **MC200623**

Ufsp2 (NM_138668) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ufsp2 (NM_138668) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ufsp2
Synonyms:	1810047C23Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC005503 sequence for NM_138668

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CGGACGCGTGGGGACCCTTGCTTGCACGAAGTAGGTGTTCTTGCCATCGCCAGTGGTGCTTGGTGGTTTC
CCAAAATATGCTCTATGGATATACTCTTCAGAATAAGAGCGGGCTTCGATCTGGCTTTTCAGCTAGCAC
CACCTAAAGAAATGTTTATCAAGAACGCACTGCGACAGGTGTTGAGCGACCTGACTACCAAGCTCTCCTC
AGATGCTCTTGCTCAGAGTTTGCAACAGTTCCGTGTACCTGTGGCCGAACAGCGACGCAAAACACGGGG
GAGCTGACTGACAGCTCTGCCTGTAAGAACGTAGTGCGCTTCATTCAATTTGATCAAGAGGAGGATACAA
AGCGAAAATTCATTAAAAAGAAAGACAAAAAGTTAACTGACACGCAACAGATAGTAAATATAGACCTCAT
GCTGGAGATATCGACCCCTCTGGGAGCCGTAACCCCATCTGGAGAGGGAAAATGAAGAGCACCCTAC
ATTAACATGAGCTTGCCAATTGACGCCGTTGTGTCTGTTGCTCCAGAGGAATCATGGGAAAAGTGCGCA
AAGTCTAGTGGATGCAATTCTCAGGCAGCTAGTTGATGTGAAAAATGCATCCTGAGATATATGAAAGG
AACGTCTATTGTGGTCCCGAGCCACTGCACTTTCAATTGCCAGGGAAAAAGAATCTTGTAAACGGTTTTA
TATCCATCAGGAATCCCAGATGATCAGCTCCAAGCCTATCGAAAGGAGTTACATGATCTCTCAATCTGC
CTCATGACAGACCTTATTTCAAAGGATCAATGCTTATCACTTTCCAGATGAACTATATAAGATGGCTA
TATCAGAAACCCACATACTTATCTGAGTCCACCTAACATAGAGGGTAGTATGATTGTGTGGTCCAGGGC
ACCTATGCTTATCATCATTATATGCAAGATCGGATTGATGACAATGGTTGGGGCTGTGCTTATAGTCCC
TACAGACTATCTGCTCATGGTTCAGACATCAGGGTTACACAGAGAGGTCCATTCCACACACAGGGAAAT
TCAGCAGGCTCTAGTTGATGCCGGCGACAAGCCAGCAACATTTGTTGGATCACGGCAGTGGATTGGGTCT
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CAGAAATGGCTTCTCAAGGACGGGAAGTACCAACCATTTCCAGAATGTGGGCACCCAGTGATGGTCCG
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ATTCTAGACCCACACTATACAGGTGCTGAAGACCTGCAGGTTATGTTGAAAAAGGCTGGTGTGGATGGA
AGAGTCCAGACTTTTGAACAAGGATGCATACTATAACTTATGCCTTCTCAACGACCTAATGCTCTTTA
AATTATCTGGAGGCAAGACTATGAATATAAAGAGCTGTTCTAATGTTAATAAAGCATACATAATTTT AAAAAAAAAAAAAAAAAA
  
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Restriction Sites:	RsrII-NotI
ACCN:	NM_138668


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Insert Size:	1386 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC005503 , AAH05503
RefSeq Size:	1556 bp
RefSeq ORF:	1386 bp
Locus ID:	192169
UniProt ID:	Q99K23
Cytogenetics:	8 B1.1
Gene Summary:	Thiol protease which recognizes and hydrolyzes the peptide bond at the C-terminal Gly of UFM1, a ubiquitin-like modifier protein bound to a number of target proteins. Does not hydrolyze SUMO1 or ISG15 ubiquitin-like proteins (PubMed:17182609, PubMed:21228277). Through TRIP4 deufmylation may regulate intracellular nuclear receptors transactivation and thereby regulate cell proliferation and differentiation (By similarity).[UniProtKB/Swiss-Prot Function]