

Product datasheet for **RN205737**

Ufsp2 (NM_001014142) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ufsp2 (NM_001014142) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ufsp2
Synonyms:	RGD1311161
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205737 representing NM_001014142
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGATATCCTCTTCAGAATAAGAGGTGGTTTCGATCTGGCTTTTCAGCTGGCGCCTCCTAAAGAAATGT
 TTATCAAGAATGCACTAAGACAGGTATTGAATGACCTGACTACCAAGCTCTCCTCAGATGCTCTTGTT
 CAGAATTTGCAACAGCTCTGTGTACCTCTGGCCGAACAGTGACGCAAAACACGGGAGAACTGACTGACAGC
 TCTGCCTGTAAGAGTGTAGTGGACCTCATTCAATTTGATCAAGAGGAGGATACAAAGCGAAAATTCATGA
 AAAAGAAAGACAAAAAGTTAACCACATGCAACAAATAGTAAATATAGACCTCATGCTGGAATATCGAC
 CCCTCTGGGAGCCGTAAACCCCATCATCGAAAGGGAAAACGAAGAACCACCTACATTAATATGAGCTTG
 CCAATCGATGCGTTGTGTCCGTTGCTCCAGAGGAAACATGGGAAAAGTGCAGAACTTCTAGTGGATG
 CAATTCCTAATCAGCTAGTTGATGTGAAAAATGCATCTTGAGATATATGAAAGGAACATCTATTGTGGT
 CCCTGAACCACTGCATTTCTATTGCCAGGGGAAAGAATCTCGTAACAGTTTTATATCCATCCGGAATC
 CCAGATGATCAGCTACAAGCCTATAGAAAGGAGTTACATGATCTCTTCAAATGCCTCATGACAGACCTT
 ATCTCAAAGGATTAATGCTTATCACTTTCCGGATGAACATATATAAGATGGCTATATTAGAAATCCGCA
 TGCTTACCTGAGCCACCTAACATAGAGGGTAGTATGATTTGCATGGTCCAGGGCACTTACGCCTATCAT
 CACTACATGCAAAATCGGGTGGACGACAACGGCTGGGGCTGTGCTTACAGGTCACTACAGACGGTCTGCT
 CATGGTTCAGACATCAGGGTTACACAGAAAGGGCCATTCCAACACACAGGGAAATCCAGCAGGCTCTAGT
 TGATGCCGGTGACAAACAGCAACATTTGTTGGATCACGGCAATGGATCGGGTCTATTGAAGTGCAGCTG
 GTACTAAACCACTGATCGGTGTAACCTCCAAAATACTGTTTGTCAATCAAGGTTGAGAAATGGCTTCTC
 AAGGACGGGAAGTAGCAACCATTTCCAGAATGTGGGCACTCCAGTAATGATTGGGGAGGAGTATTGGC
 TCACACAATACTAGGAGTCGCATGGAATGAACTACAGGGCAGATCAAATTCCTAATTCTAGACCCACAC
 TATACAGGTGCTGAAGACCTGCAAGTTATATTGAAAAGGGCTGGTGTGGATGGAAGGGTCCAGACTTTT
 GGAACAAGGATGCATACTACAACCTATGCCTTCTCAACGACCAATGCTCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001014142

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.

RefSeq: NM_001014142.1, NP_001014164.1

RefSeq Size: 1539 bp

RefSeq ORF: 1386 bp

Locus ID: 361151

UniProt ID: Q5XIB4

Cytogenetics: 16q11

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. Through TRIP4 deufmylation may regulate intracellular nuclear receptors transactivation and thereby regulate cell proliferation and differentiation.[UniProtKB/Swiss-Prot Function]