UFSP1 cDNA Clone – Inactive Ufm1-Specific Protease 1

PRODUCT OVERVIEW

Product Name	UFSP1, cDNA Clone
Full Product Name	UFSP1
Product Gene Name	UFSP1 cdna clone
Product Synonym Names	UFSP
Sequence	Nucleotide Sequence: ATGGGCGACA AGCCCCCCGG CTTCCGGGGC TCCCGGGACT GGATCGGCTG CGTGGAGGCC AGCCTCTGCC TCGCTCACTT CGGAGGGCCC CAGGGACGCC TCTGCCACGT ACCCCGGGGA GTGGGGCTGC ACGGGGAGCT GGAGAGGCTT TACTCGCACT TCGCAGGGGG TGGGGGCCCA GTCATGGTTG GGGGGGACGC AGATGCCAGG TCCAAGGCCT TGCTGGGAGT CTGCGTAGGG TCAGGCACGG AAGCCTATGT CCTGGTATTG GACCCTCACT ACTGGGGCAC TCCAAAAAGC CCCAGTGAAC TACAGGCTGC TGGGTGGGTG GGCTGGCAAG AGGTGAGTGC AGCCTTTGAC CCCAACTCCT TCTACAACCT GTGCTTGACC AGCCTTAGCT CCCAACAGCA GCAGCGCACC TTGGACTGA< br> Tra nslation Sequence: MGDKPPGFRG SRDWIGCVEA SLCLAHFGGP QGRLCHVPRG VGLHGELERL YSHFAGGGGP VMVGGDADAR SKALLGVCVG SGTEAYVLVL DPHYWGTPKS PSELQAAGWV GWQEVSAAFD PNSFYNLCLT SLSSQQQQRT LD
Form/Format	Lyophilized
Preparation and Storage	Store the plasmid at -20 degree C.
OMIM	611481
3D Structure	ModBase 3D Structure for Q6NVU6
Species	Human
Chromosome Location	7q22.1
OMIM Reference Number	611481
cDNA Size	429bp
Vector Description	This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.
Vector	(puc19-derived cloning vector)
Preparation Before Usage	1. Centrifuge at 7000rpm for 1 minute. 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.
Product Categories/Family for UFSP1 cdna clone	Ubiquitination
Related Product Information for UFSP1 cdna clone	UFSP1 is a protein that is similar to other Ufm1-specific proteases. Studies in mouse determined that Ufsp1 releases Ufm1 (ubiquitin-fold modifier 1) from its bound conjugated complexes which also makes it into an active form.
Other Notes	Small volumes of UFSP1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for UFSP1 purchase	MBS200872 is a cDNA clone targeting UFSP1.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UFSP1. It may not necessarily be applicable to this product.

NCBI GI #	146231966
NCBI Accession #	NP_001015072.2
UniProt Primary Accession #	Q6NVU6
GenBank Nucleotide #	NM_001015072.3
NCBI Official Full Name	inactive Ufm1-specific protease 1
UniProt Protein Name	Inactive Ufm1-specific protease 1
Protein Family	Inactive Ufm1-specific protease
UniProt Gene Name	UFSP1
UniProt Synonym Gene Names	UfSP1
UniProt Entry Name	UFSP1_HUMAN
UniProt Comments for UFSP1	UFSP1: a protein that is similar to other Ufm1-specific proteases. Studies in mouse determined that Ufsp1 releases Ufm1 (ubiquitin-fold modifier 1) from its bound conjugated complexes which also makes it into an active form. Because the human UFSP1 protein is shorter on the N-terminus and lacks a conserved Cys active site, it is predicted to be non-functional.[provided by RefSeq, Nov 2009] Protein type: EC 3.4.22.- Chromosomal Location of Human Ortholog: 7q22.1 Molecular Function: thiolester hydrolase activity Biological Process: proteolysis
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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