UFSP2 cDNA Clone – UFM1-Specific Peptidase 2 (Human)

PRODUCT OVERVIEW

Product Name	UFSP2, cDNA Clone
Full Product Name	UFSP2 cDNA Clone
Product Gene Name	UFSP2 cdna clone
Sequence	atggtgattt cagaaagtat ggatatactc ttcagaataa gaggaggcct tgatttggct tttcagctag ctactcctaa tgaaattttt ctcaagaagg cactgaaaca tgtgttgagt gacctgtcaa ctaagctgtc ttcaaacgcc cttgtgttca gaatttgcca cagttcagtg tatatatggc ctagcagtga cataaacacc attcctggag aactgactga tgcttctgct tgtaagacca tactgcgctt tattcaattt gagccagaag aagatataaa aagaaaattc atgagaaaga aggacaaaaa gttatcagac atgcatcaaa tagtaaatat agatcttatg ctggaaatgt caacctccct ggcagctgta acgcccatca ttgaaaggga aagcggagga caccattatg ttaatatgac tttacctgtc gatgcagtta tatctgttgc tccagaagaa acatggggaa aagttcgtaa actcctggtt gatgcaattc ataatcaact aactgacatg gaaaaatgta ttttgaaata tatgaaagga acatctattg tggtccctga accactgcac tttttattac cagggaaaaa aaatcttgta acaatttcat atccttcagg aataccagat ggccagctgc aggcctatag gaaggagtta catgatcttt tcaatctgcc tcacgacaga ccctatttca aaaggtctaa tgcttatcac tttccagatg agccatacaa agatggttac attagaaatc cacatactta ccttaatcca cctaacatgg agactggtat gatttatgtg gtccagggca tatatggcta tcatcattat atgcaggatc gcatagatga caatggctgg ggctgtgctt atcgatctct gcagactatc tgctcttggt tcaaacatca gggatacaca gagaggtcca ttccaacaca cagagaaatt cagcaggctc tagtcgatgc cggggacaaa ccagcaacat ttgtcggatc gcggcaatgg attggatcta ttgaggtgca gctggtacta aaccaattga tcggtataac gtcaaaaatc ctgtttgtca gccaaggttc agaaattgcc tctcaaggac gggaactggc taatcatttc caaagtgaag gaactccagt tatgatcggg ggaggagttt tggcccacac aatactagga gttgcatgga atgagattac agggcagata aagtttctga ttctagatcc acattatacc ggtgctgaag acctgcaagt tattttggaa aagggctggt gcggatggaa gggcccagat ttttggaaca aggatgcata ctataactta tgtcttcctc agcgaccaaa tatgatttaa
Molecular Weight	53,261 Da
OMIM	142669
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for UFSP2 cdna clone	MBS1270913 is a cDNA clone targeting UFSP2.
Other Notes	Small volumes of UFSP2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UFSP2. It may not necessarily be applicable to this product.

NCBI GI #	14714702
NCBI GeneID	55325
NCBI Accession #	BC010493
UniProt Secondary Accession #	Q6IA77; Q96FS3
UniProt Related Accession #	Q9NUQ7
NCBI Official Full Name	Homo sapiens UFM1-specific peptidase 2, mRNA
NCBI Official Synonym Full Names	UFM1 specific peptidase 2
NCBI Official Symbol	UFSP2

NCBI Official Synonym Symbols	BHD; C4orf20
UniProt Protein Name	Ufm1-specific protease 2
Protein Family	Probable Ufm1-specific protease
UniProt Gene Name	UFSP2
UniProt Synonym Gene Names	C4orf20; UfSP2
UniProt Entry Name	UFSP2_HUMAN
NCBI Protein Information	ufm1-specific protease 2
NCBI Summary for UFSP2	Like ubiquitin (see MIM 191339), ubiquitin-fold modifier-1 (UFM1; MIM 610553) must be processed by a protease before it can conjugate with its target proteins. UFSP2 is a thiol protease that specifically processes the C terminus of UFM1 (Kang et al., 2007 [PubMed 17182609]).[supplied by OMIM, Oct 2009]
UniProt Comments for UFSP2	UFSP2: Thiol protease which recognizes and hydrolyzes the peptide bond at the C-terminal Gly of UFM1, an ubiquitin-like modifier protein bound to a number of target proteins. Does not hydrolyze SUMO1 or ISG15 ubiquitin-like proteins. Belongs to the peptidase C78 family. Protein type: Protease; EC 3.4.22.- Chromosomal Location of Human Ortholog: 4q35.1 Cellular Component: cytoplasm; endoplasmic reticulum; nucleus Molecular Function: protein binding; thiolester hydrolase activity Biological Process: proteolysis; regulation of estrogen receptor signaling pathway Disease: Beukes Hip Dysplasia
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