

Product datasheet for SC322305

UFSP2 (NM_018359) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UFSP2 (NM_018359) Human Untagged Clone
Tag:	Tag Free
Symbol:	UFSP2
Synonyms:	BHD; C4orf20; SEMDDR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322305 <pre> CCACGTGGCGGACATGGTGATTTTCAGAAAGTATGGATATACTCTTCAGAATAAGAGGAGG CCTTGATTTGGCTTTTCAGCTAGCTACTCCTAATGAAATTTTCTCAAGAAGGCACTGAA ACATGTGTTGAGTGACCTGTCAACTAAGCTGTCTTCAAACGCCCTTGTTTCAGAAATTTG CCACAGTTCAGTGATATATGGCCTAGCAGTGACATAAACACCATTCTTGAGAACTGAC TGATGCTTCTGCTTGTAAGACCATACTGCGCTTTATTCAATTTGAGCCAGAAGAAGATAT AAAAAGAAAATTCATGAGAAAGAAGGACAAAAAGTTATCAGACATGCATCAAAATAGTAA TATAGATCTTATGCTGGAATGTCAACCTCCCTGGCAGCTGTAACGCCCATCATTGAAAG GGAAAGCGGAGGACACCATTATGTTAATATGACTTTACCTGTCGATGCAGTTATATCTGT TGCTCCAGAAGAAACATGGGAAAAAGTTCGTAACCTCCTGGTTGATGCAATTCATAATCA ACTAACTGACATGAAAAATGTATTTTGAATATATGAAAGGAACATCTATTGTGGTCCC TGAACCACTGCATTTTTATTACCAGGGAAAAAAATCTTGTAACAATTTTCATATCCTTC AGGAATACCAGATGGCCAGCTGCAGGCCTATAGGAAGGAGTTACATGATCTTTTCAATCT GCCTCACGACAGACCCTATTTCAAAGGTCTAATGCTTATCACTTTCCAGATGAGCCATA CAAAGATGGTTACATTAGAAATCCACATACTTACCTTAATCCACCTAACATGGAGACTGG TATGATTTATGTGGTCCAGGGCATATATGGCTATCATCATTATATGCAGGATCGCATAGA TGACAATGGCTGGGGCTGTGCTTATCGATCTCTGCAGACTATCTGCTCTTGGTTCAAACA TCAGGGATACACAGAGAGGTCCATTCCAACACACAGAGAAATTCAGCAGGCTCTAGTCGA TGCCGGGGACAAACCAGCAACATTTGTCGGATCGCGGCAATGGATTGGATCTATTGAGGT GCAGTGGTACTAAACCAATTGATCGGTATAACGTCAAAAATCCTGTTTGTGACGCCAAGG TTCAGAAATTGCCTCTCAAGGACGGGAAGTGGCTAATCATTTTCAAAGTGAAGGAAGTCC AGTTATGATCGGGGGAGGAGTTTGGCCACACAATACTAGGAGTTGCATGGAATGAGAT TACAGGGCAGATAAAGTTTCTGATTCTAGATCCACATTATACCGGTGCTGAAGACCTGCA AGTTATTTTGGAAAGGGCTGGTGGATGGAAGGGCCAGATTTTGGAAACAAGGATGC ATACTATAACTTATGTCTTCTCAGCGACCAAATATGATTTAAAATATCTGGAGTCAAA GACTGCAGTAGAGTGGTATTATAAATTTGTGAATAAAGAATCAGTTTAATTTTTCACATT AAAAAAAAAAAAAAAAAAAA </pre>



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Restriction Sites:	Please inquire
ACCN:	NM_018359
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018359.1 , NP_060829.1
RefSeq Size:	1559 bp
RefSeq ORF:	1410 bp
Locus ID:	55325
UniProt ID:	Q9NUQ7
Cytogenetics:	4q35.1

Gene Summary:

This gene encodes a highly conserved cysteine protease. The protein cleaves two C-terminal residues from ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein. Activation of ubiquitin-fold modifier 1 by the encoded protein exposes a C-terminal glycine residue that allows interaction with other proteins and transfer to its target protein. An allelic variant of this gene has been associated with Beukes hip dysplasia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.