

Recombinant Human UFSP2 protein, GST-tagged

Cat. No. UFSP2-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UFSP2(1 a.a. - 469 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 469 a.a.
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	79.6 kDa
AA Sequence	MVISESMDILFRIRGGDLAFQLATPNEIFLKKALKHVLSDLSTKLSSNALVFRICHSSV YIWPSSDINTIPGELTDASACKTILRFIQFEPEEDIKRKFMKKDKKLSDMHQIVNIDLM LEMSTSLAAVTPIIERESGGHHYVNMTLPVDAVISVAPEETWGKVRKLLVDAIHNLQTL DMEKCILKYMKGTSIVVPEPLHFLPGKKNLVTISYPSGIPDGQLQAYRKELHDLFNL PHDRPYFKRSNAYHFPDEPYKDG YIRNPHTYLNPPNMETGMIYVVQGIYGYHHYMQ

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DRIDDNGWGCA YRSLQTICSWFKHQGYTERSIPTHREIQQALVDAGDKPATFVGSR
 QWIGSIEVQLVLNQLIGITSKILFVSQGSEIASQGRELANHFQSEGTPVMIGGGVLAHT
 ILGVAWNEITGQIKFLILDPHYTGAEDLQVILEKGWCGWKGPDFWNKDAYYNLCLPQ
 RPNMI

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

UFSP2 UFM1-specific peptidase 2 [Homo sapiens]

Official Symbol

UFSP2

Synonyms

UFSP2; UFM1-specific peptidase 2; C4orf20, chromosome 4 open reading frame 20;
 ufm1-specific protease 2; FLJ11200; C4orf20;

Gene ID

55325

mRNA Refseq

NM_018359

Protein Refseq

NP_060829

MIM

611482

UniProt ID

Q9NUQ7

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Chromosome Location	4q35.1
Function	peptidase activity; small conjugating protein-specific protease activity; thiolester hydrolase activity;

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