

## UFSP1 Human

**Description:**UFSP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 165 amino acids (1-142 a.a.) and having a molecular mass of 17kDa.UFSP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #:PRPS-1327

For research use only.

**Synonyms:**Inactive Ufm1-specific protease 1, UFSP1, UFSP.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMGDKPPG FRGSRDWIGC  
VEASLCLAHF GGPQGR LCHV PRGVGLHGEL ERLYSHFAGG GGPVMVGGDA DASKALLGV  
CVGSGTEAYV LVLDPHYWGT PKSPSELQAA GWVGWQEVSA AFDPN SFY NL CLTSLSSQQQ  
QRTLD.

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

UFSP1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.5), 0.2M NaCl, 30% glycerol and 1mM DTT.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Usage:**

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**Introduction:**

UFM1-Specific Peptidase 1 (UFSP1) is similar to other Ufm1-specific proteases. Studies in mice determined that Ufsp1 releases ubiquitin-fold modifier 1 (Ufm1) from its bound conjugated complexes which also makes it into an active form. Since the human UFSP1 protein is shorter on the N-terminus and lacks a conserved Cys active site, it is expected to be non-functional.

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