
Product Data Sheet

Product Name: UFSP1 Human
 Cat. No.: GP24949
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Inactive Ufm1-specific protease 1; UFSP1; UFSP.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGDKPPG FRGSRDWIGC VEASLCLAHF GGPQGRLCHV PRGVGLHGEL ERLYSHFAGG GGPVMVGGDA DARSKALLGV CVGSGTEAYV LVLDPHYWGT PKSPSELQAA GWVGWQEVSA AFDPNFSYNL CLTSLSSQQQ QRTLD.		
Formulation	UFSP1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.5), 0.2M NaCl, 30% glycerol and 1mM DTT.		

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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