

UFSP1, 1-142aa, Human, His tag, E.coli

Cat.NO.: TP04419

3th Edition

Synonyms:Inactive Ufm1-specific protease 1, UFSP

Description:UFSP1 is similar to other Ufm1-specific proteases. Studies in mouse determined that Ufsp1 releases Ufm1 (ubiquitin-fold modifier 1) from its bound conjugated complexes which also makes it into an active form. Because the human UFSP1 protein is shorter on the N-terminus and lacks a conserved Cys active site, it is predicted to be non-functional. Recombinant human UFSP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 30% glycerol, 1mM DTT

Molecular Weight:17 kDa (165aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGDKPPGFRGSRDWIGCVEASLCLAHFGGPPQGR LCHVPRGVGLHGELERL
YSHFAGGGGPVMVGGDADARSKALLGVCVGSgteAYVLVLDPHYWGTPKSPSELQAAGWVGWQEVSAAFDPNS
FYNLCLTSLSSQQQQRTLD

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.