

uFC1 recombinant protein

uFC1, 1-167aa, Human, His tag, E Coli

CATALOG # AAA48699	HOST E Coli	APPLICATIONS SDS-Page
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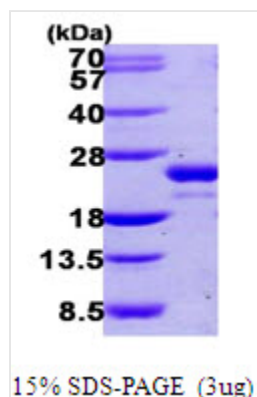
PRODUCT SYNONYMS

uFC1; 1-167aa; Human; His tag; E Coli; ubiquitin-fold modifier-conjugating enzyme 1; HSPC155; uFC1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MADEATRRVV SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKNAD NDWFRLESNK EGTRWFGKCW YIHDLLKYEY DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP KFGLAHLMAL GLGPWLAVEI PDLIQKGVIG HKEKCNQ
Sequence Length	167
Applicable Applications for uFC1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for uFC1 recombinant protein	uFC1 is an E2-like conjugating enzyme for ubiquitin-fold modifier-1. uFM1 is activated by a novel E1-like enzyme, uBA5, by forming a high-energy thioester bond. Activated uFM1 is then transferred to its cognate E2-like enzyme, uFC1, in a similar thioester linkage. Recombinant human uFC1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for uFC1 recombinant protein	Ubiquitination
References	Komatsu M. et al. (2004) EMBO J. 23 :1977-1986.; Tatsumi K. et al. (2010) J Biol Chem. 285:5417-5427.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156416000
NCBI GeneID	51506
NCBI Accession #	NP_057490
NCBI GenBank Nucleotide #	NM_016406.3
UniProt Accession #	Q9Y3C8; Q549X0; Q5VTX1; Q9BS96; Q9P009; A8K9R1; D3DVF9
Molecular Weight	21.6 kDa (187aa), confirmed by MALDI-TOF
NCBI Official Full Name	ubiquitin-fold modifier-conjugating enzyme 1
NCBI Official Synonym Full Names	ubiquitin-fold modifier conjugating enzyme 1
NCBI Official Symbol	UFC1
NCBI Official Synonym Symbols	HSPC155
NCBI Protein Information	ubiquitin-fold modifier-conjugating enzyme 1
UniProt Protein Name	Ubiquitin-fold modifier-conjugating enzyme 1
UniProt Gene Name	UFC1
UniProt Synonym Gene Names	Ufm1-conjugating enzyme 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.