
Product Data Sheet

Product Name: UFC1 Human
 Cat. No.: GP22375
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin-fold modifier-conjugating enzyme 1; Ufm1-conjugating enzyme 1; UFC1; CGI-126; HSPC155.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MADEATRRVW SEIPVLKTNA GPRDRELWVQ RLKEEYQSLI RYVENNKNAD NDWFRLESNK EGTRWFGKCW YIHDLLKYEF DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLTDH FKPLWARNVP KFGLAHLMAL GLGPWLAVEI PDLIQKGVQI HKEKCNQ.		
Formulation	UFC1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

UFC1 is a member of the ubiquitin-conjugating enzyme family. UFC1 is an E2-like conjugating enzyme for ubiquitin-fold modifier-1. UFM1 is activated by UBA5 (a novel E1-like enzyme) by forming a high-energy thioester bond. Activated UFM1 is subsequently transferred to its cognate E2-like enzyme, UFC1, in a similar thioester linkage.

Stability

UFC1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Background

UFC1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 187 amino acids (1-167 a.a.) and having a molecular mass of 21.6kDa. UFC1 is fused to a 20 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA