

UFC1 Human

Description: 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.

Catalog #: ENPS-145

Synonyms: Ubiquitin-fold modifier-conjugating enzyme 1, Ufm1-conjugating enzyme 1, UFC1, CGI-126, HSPC155.

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MADEATRRVV SEIPVLKTNAGPRDRELWVQ RLKEEYQSLI RYVENNKNAD NDWFRLESNK EGTRWFGKCW YIHDLLKYEF DIEFDIPITY PTTAPEIAVP ELDGKTAKMY RGGKICLDTH FKPLWARNVP KFGLAHLMAL GLGPWLAVEI PDLIQKGV IQ HKEKCNQ.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

UFC1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:

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

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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