

Recombinant Mouse Ufc1 Protein, Myc/DDK-tagged

Cat. No. Ufc1-6824M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin-fold modifier conjugating enzyme 1 (Ufc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	E1-like enzyme which specifically catalyzes the second step in ufmylation. Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage. Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress.
Molecular Mass	19.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Ufc1 ubiquitin-fold modifier conjugating enzyme 1 [Mus musculus (house mouse)]
Official Symbol	Ufc1
Synonyms	UFC1; ubiquitin-fold modifier conjugating enzyme 1; ubiquitin-fold modifier-conjugating enzyme 1; Ufm1-conjugating enzyme 1; ESTM29; AA062310; 1110021H02Rik
Gene ID	66155
mRNA Refseq	NM_025388
Protein Refseq	NP_079664
UniProt ID	Q9CR09

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