Recombinant Mouse Ufd1 Protein, Myc/DDK-tagged

Cat. No. Ufd1-6825M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length ubiquitin recognition factor in ER-associated degradation 1 (Ufd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Essential component of the ubiquitin-dependent proteolytic pathway which degrades ubiquitin fusion proteins. The ternary complex containing UFD1, VCP and NPLOC4 binds ubiquitinated proteins and is necessary for the export of misfolded proteins from the ER to the cytoplasm, where they are degraded by the proteasome. The NPLOC4-UFD1-VCP complex regulates spindle disassembly at the end of mitosis and is necessary for the formation of a closed nuclear envelope. It may be involved in the development of some ectoderm-derived structures. Acts as a negative regulator of type I interferon production via the complex formed with VCP and NPLOC4, which binds to DDX58/RIG-I and recruits RNF125 to promote ubiquitination and degradation of DDX58/RIG-I.
Molecular Mass	34.5 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.

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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.

GENE INFORMATION

Gene Name	Ufd1 ubiquitin recognition factor in ER-associated degradation 1 [Mus musculus (house mouse)]
Official Symbol	Ufd1
Synonyms	Ufd1; ubiquitin recognition factor in ER-associated degradation 1; Ufd1l; ubiquitin recognition factor in ER-associated degradation protein 1; UB fusion protein 1; ubiquitin fusion degradation 1 like; ubiquitin fusion degradation protein 1 homolog
Gene ID	22230
mRNA Refseq	NM_011672
Protein Refseq	NP_035802
UniProt ID	P70362

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