

Product datasheet for **TP504334**

Ufd1 (NM_011672) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse ubiquitin recognition factor in ER-associated degradation 1 (Ufd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR204334 protein sequence
Red=Cloning site **Green**=Tags(s)

MFSFNMFDPHPIPRVFQNRSTQYRCFSVSMLAGPNDRSDVEKGGKIIMPPSALDQLSRLNITYPMLFKLT
NKNSDRMTHCGVLEFVADEGICYLPHWMMQNLLLEEGGLVQVESVNLQVATYSKFQPQSPDFLDITNPKA
VLENALRNFACLTTGDVIAINYNEKIYELRVMETKPKAVSIECDMNVDVFDAPLGYKEPERPVQHEESI
EGEADHSGYAGEVGFRAFSGSGNRLDGKKKGVESPSPPIKPGDIKRGIPNYEFKLGKITFIRNSRPLVKK
VEEDEAGGRFIAFSGEGQSLRKKGRKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 34.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_035802](#)

Locus ID: 22230

UniProt ID: [P70362](#)



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RefSeq Size: 1996

Cytogenetics: 16 11.65 cM

RefSeq ORF: 924

Synonyms: Ufd1; Ufd1l

Summary: 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 (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]