

## Product datasheet for **TP304431M**

### Ubiquitin D (UBD) (NM\_006398) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human ubiquitin D (UBD), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC204431 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAPNASCLCVHVRSEEWDLMTFDANPYDSVKKIKEHVRSKTKVPVQDQVLLLGSKILKPRRSLSSYGIDK  
EKTIHLTLKWKPSDEELPLFLVESGDEAKRHLLQVRRSSVAQVKAMIETKTGIIPETQIVTCNGKRL  
DGKMMADYGIRKGNLLFLACYCIGG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 18.3 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

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**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.

**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\\_006389](#)

**Locus ID:** 10537

**UniProt ID:** [O15205](#), [A0A1U9X8S6](#)

**RefSeq Size:** 1006



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Cytogenetics: 6p22.1

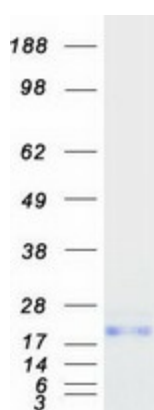
RefSeq ORF: 495

Synonyms: FAT10; GABBR1; UBD-3

**Summary:** This gene encodes a protein which contains two ubiquitin-like domains and appears to have similar function to ubiquitin. Through covalent attachment, the encoded protein targets other proteins for 26S proteasome degradation. This protein has been implicated to function in many cellular processes, including caspase-dependent apoptosis, formation of aggresomes, mitotic regulation, and dendritic cell maturation. Upregulation of this gene may promote inflammation in chronic kidney disease and has been observed in many cancer types. [provided by RefSeq, Aug 2017]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified UBD protein (Cat# [TP304431]). The protein was produced from HEK293T cells transfected with UBD cDNA clone (Cat# [RC204431]) using MegaTran 2.0 (Cat# [TT210002]).