

## Recombinant Mouse Ubd Protein, His-tagged

**Cat. No.** Ubd-527M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse Ubd Protein (Met1-Thr157) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Met1-Thr157                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Predicted to enable proteasome binding activity. Involved in cellular protein metabolic process; positive regulation of I-kappaB kinase/NF-kappaB signaling; and positive regulation of apoptotic process. Acts upstream of or within response to interferon-gamma and response to tumor necrosis factor. Located in cytoplasm and nucleus. Is expressed in alimentary system; aorta; male reproductive gland or organ; olfactory lobe; and thymus. Orthologous to human UBD (ubiquitin D). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 21.6 kDa<br>Accurate Molecular Mass: 24 kDa                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                            |

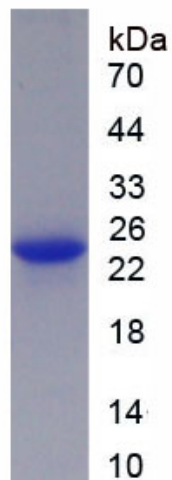
## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | Ubd ubiquitin D [ <i>Mus musculus</i> (house mouse) ]              |
| <b>Official Symbol</b> | Ubd                                                                |
| <b>Synonyms</b>        | UBD; ubiquitin D; Diubiquitin; ubiquitin-like protein FAT10; FAT10 |
| <b>Gene ID</b>         | 24108                                                              |
| <b>mRNA Refseq</b>     | NM_023137                                                          |
| <b>Protein Refseq</b>  | NP_075626                                                          |
| <b>UniProt ID</b>      | P63072                                                             |

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