

## Product datasheet for **TP504123**

### Ubxn1 (NM\_146093) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Mouse UBX domain protein 1 (Ubxn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

**Species:** Mouse

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >MR204123 representing NM\_146093  
**Red**=Cloning site **Green**=Tags(s)

MAELTALESLIEMGFPRGRAEKALALTGNQGIEAAMDWLMEHEDDPDVEPLETPLSHVLGREPTPSEQV  
GPEGSGSAAGESRPILTEERQEQTMRMLELVAQKQREEREEREALEREKQRRRQGQELSVARQKLQE  
DEMRRAAEERRREKAEELAAQRVREKIERDKAERAKKYGGSVGSRSSPPATDPGPVPSSPSQEPPTKRE  
YDQCRIQVRLPDGTSLTQTFRAREQLAAVRLYVELHRGEEPGDQDPVQLLSGFPRRAFSEADMERPLQE  
LGLVPSAVLIVAKKCP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK

**Predicted MW:** 34 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\\_666205](#)

**Locus ID:** 225896

**UniProt ID:** [Q922Y1](#)



[View online »](#)

RefSeq Size: 1048

Cytogenetics: 19 A

RefSeq ORF: 891

Synonyms: 2B28; 4930455J02Rik; D19ErtD721e; T25529

**Summary:** Ubiquitin-binding protein that plays a role in the modulation of innate immune response. Blocks both the RIG-I-like receptors (RLR) and NF-kappa-B pathways. Following viral infection, UBXN1 is induced and recruited to the RLR component MAVS. In turn, interferes with MAVS oligomerization, and disrupts the MAVS/TRAF3/TRAF6 signalosome. This function probably serves as a brake to prevent excessive RLR signaling. Interferes with the TNFalpha-triggered NF-kappa-B pathway by interacting with cellular inhibitors of apoptosis proteins (cIAPs) and thereby inhibiting their recruitment to TNFR1. Prevents also the activation of NF-kappa-B by associating with CUL1 and thus inhibiting NF-kappa-B inhibitor alpha/NFKBIA degradation that remains bound to NF-kappa-B. Interacts with the BRCA1-BARD1 heterodimer and regulates its activity. Specifically binds 'Lys-6'-linked polyubiquitin chains. Interaction with autoubiquitinated BRCA1 leads to the inhibition of the E3 ubiquitin-protein ligase activity of the BRCA1-BARD1 heterodimer. Component of a complex required to couple deglycosylation and proteasome-mediated degradation of misfolded proteins in the endoplasmic reticulum that are retrotranslocated in the cytosol.[UniProtKB/Swiss-Prot Function]