

## Product datasheet for **TP300703**

### **UBXN1 (NM\_015853) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human UBX domain protein 1 (UBXN1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200703 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAELTALESLEMGFPRGRAEKALALTGNQGIEAAMDWLMEHEDDPDVEPLETPLGHILGREPTSSEQG  
GLEGSGSAAGEGKPALSEEERQEQTKRMLELVAQKQREREEREERERERQRRRQGQELSAARQLQE  
DEMRRAAEERRREKAEELAARQVRVREKIERDKAERAKKYGGSVGSQPPVVAPEPGVPSPSPQEPPTKRE  
YDQCRIQVRLPDGTSLTQTFRAREQLAAVRLYVELHRGEELGGGQDPVQLLSGFPRRAFSEADMERPLQE  
LGMAARLETRTRNWGSREACLKGKGMQREGAL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	34.9 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:	<u><a href="#">NP_056937</a></u>
Locus ID:	51035



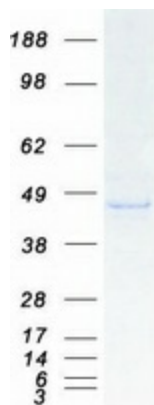
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**UniProt ID:** [Q04323](#)  
**RefSeq Size:** 1363  
**Cytogenetics:** 11q12.3  
**RefSeq ORF:** 936  
**Synonyms:** 2B28; SAKS1; UBXD10

**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 (PubMed:23545497). 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 (PubMed:25681446). 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 (PubMed:28152074). 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 (PubMed:20351172). 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]

**Protein Families:** Druggable Genome

## Product images:



Coomassie blue staining of purified UBXN1 protein (Cat# TP300703). The protein was produced from HEK293T cells transfected with UBXN1 cDNA clone (Cat# [RC200703]) using MegaTran 2.0 (Cat# [TT210002]).