

## Product datasheet for PH311340

### TRIM50 (NM\_178125) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TRIM50 MS Standard C13 and N15-labeled recombinant protein (NP_835226)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211340
Predicted MW:	54.7 kDa
Protein Sequence:	>RC211340 protein sequence Red=Cloning site Green=Tags(s)

MAWQVSLPELEDRLQCPICLEVFKEPLMLQCGHSYCKGCLVLSCHLDAELRCPVCRQAVDVGSSSLPNVS  
LARVIEALRLPGDPEPKVCVHHRNPLSLFCEKDQELICGLCGLLGSHQHHPVTPVSTVYSRMKEELAALI  
SELKQEQQKVDDELIAKL VNNRTRIVNESDVF SWVIRREFQELHHLVDEEKARCLEGGHTRGLVASLDM  
QLEQAQGTRERLAQAECVLEQFGNEDHHKFIRKFHSMASRAEMPQARPLEGAFSPISFKPGLHQADIKLT  
VWKRLFRKVLPAPEPLKLDPATAHPLLELSKGNTVVQCGLLAQRRASQPERFDYSTCVLASRGFSCGRHY  
WEVVVGSKSDWRLGVIKGTASRKGLNRSPEHGVWLI GLKEGRVYEAFACPRVPLPVAGHPHRIGLYLHY  
EQGELTFDADRPPDLRPLYTFQADFQGLKLYILDTCWHERGSNSLPMVLPPSPGPGPLSPEQPTKL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_835226</a></u>
RefSeq Size:	2050
RefSeq ORF:	1461
Synonyms:	TRIM50A



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Locus ID: 135892

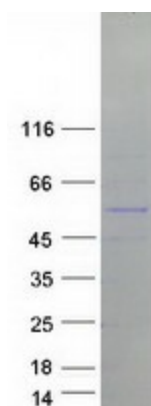
UniProt ID: [Q86XT4](#), [Q2M204](#)

Cytogenetics: 7q11.23

**Summary:** E3 ubiquitin-protein ligase that ubiquitinates Beclin-1/BECN1 in a 'Lys-63'-dependent manner enhancing its binding to ULK1. In turn, promotes starvation-induced autophagy activation. Interacts also with p62/SQSTM1 protein and thereby induces the formation and the autophagy clearance of aggresome-associated polyubiquitinated proteins through HDAC6 interaction.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified TRIM50 protein (Cat# [TP311340]). The protein was produced from HEK293T cells transfected with TRIM50 cDNA clone (Cat# [RC211340]) using MegaTran 2.0 (Cat# [TT210002]).