

## Product datasheet for PH300841

### TTL12 (NM\_015140) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TTL12 MS Standard C13 and N15-labeled recombinant protein (NP_055955)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200841
Predicted MW:	74.4 kDa
Protein Sequence:	>RC200841 protein sequence Red=Cloning site Green=Tags(s)

MEAERGPERRPAERSSPGQTPEEGAQALAEFAALHGPALRASGVPERYWGRLLHKLEHEVFDAGEVFGIM  
QVEEVEEEDEAAREVRKQPNGNELCYKVIITRESGLQAAHPNSIFLIDHAWTCRVEHARQQLQQVPG  
LLHRMANLMGIEFHGELPSTEAVLVLEEMWKFNQTYQLAHGTAEKMPVWYIMDEFGSRIQHADVPSFA  
TAPFFYMPQQVAYTLLWPLRDLDTGEEVTRDFAYGETDPLIRKCM LLPWAPTDMLDLSSCTPEPPAEHYQ  
AILEENKEKPLDINPVVHPHGHIKVVYTDVQQVASSLTHPRFTLTQSEADADILFNF SHFKDYRKL SQE  
RPGVLLNQFPCENLLTVKDCLASARRAGGPEGPPWLPRTFNLRTEL PQFVSYFQQRERWGEDNHWICKP  
WNLARSLDTHVTKSLHSIRHRESTPKVVSKYIESPVLFLREDVGKVKFDIRYIVLLRSVRPLRLFVYDV  
FWLRF SNRAFALNDLDDYEKHFVVMNYDPDVVLKQVHCEEFIPEFEKQYPEFPWTDVQAEIFRAFTELFQ  
VACAKPPPLGLCDYPSSRAMYAVDMLKWDNGPDGRRVMQPQIILEVNFNPD CERACRYHPTFFNDVFSTL  
FLDQPGGCHVTCLV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<a href="#">NP_055955</a>
RefSeq Size:	3421



[View online »](#)

RefSeq ORF: 1932

Synonyms: dj526l14.2

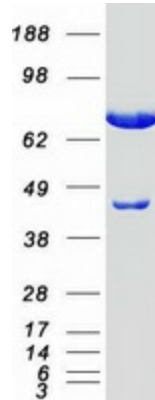
Locus ID: 23170

UniProt ID: [Q14166](#), [A0A024R4U3](#)

Cytogenetics: 22q13.2

**Summary:** Negatively regulates post-translational modifications of tubulin, including detyrosination of the C-terminus and polyglutamylation of glutamate residues (PubMed:20162578, PubMed:23251473). Also, indirectly promotes histone H4 trimethylation at 'Lys-20' (H4K20me3) (PubMed:23251473). Probably by controlling tubulin and/or histone H4 post-translational modifications, plays a role in mitosis and in maintaining chromosome number stability (PubMed:20162578, PubMed:23251473). During RNA virus-mediated infection, acts as a negative regulator of the DDX58/RIG-I pathway by preventing MAVS binding to TBK1 and IKKBE (PubMed:28011935).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified TTLL12 protein (Cat# [TP300841]). The protein was produced from HEK293T cells transfected with TTLL12 cDNA clone (Cat# [RC200841]) using MegaTran 2.0 (Cat# [TT210002]).