

Product datasheet for **TP300841L**

TTLL12 (NM_015140) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tubulin tyrosine ligase-like family, member 12 (TTLL12), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200841 protein sequence Red =Cloning site Green =Tags(s)

MEAERGPERRPAERSSPGQTPEEGAQALAEFAALHGPALRASGVPERYWGRLLHKLEHEVFDAGEVFGIM
QVEEVEEEDEAAREVRKQQPNPGNELCYKIVITRESGLQAAHPNSIFLIDHAWTCRVEHARQQLQVPG
LLHRMANLMGIEFHGELPSTEAVLVLEEMWKFNQTYQLAHGTAEEKMPVWYIMDEFGSRIQHADVPSFA
TAPFFYMPQQVAYTLLWPLRDLDTGEEVTRDFAYGETDPLIRKCM LLPWAPTDMLDLSSCTPEPPAEHYQ
AILEENKEKLPLDINPVVHPHGHIKVVYTDVQQVASSLTHPRFTLTQSEADADILFNFSHFKDYRKLQS
RPGVLLNQFPCENLLTVKDCLASIARRAGGPEGPPWLPRTFNLRTLPQFVSYFQQRERWGEDNHWICKP
WNLARSLDTHVTKSLHSIIRHRESTPKVSVKYIESPVFLREDVGKVKFDIRYIVLLRSVRPLRLFVYDV
FWLRFSNRAFALNDLDDYEKHFTVMNYDPDVLKQVHCEEFIPEFEKQYPEFPWTDVQAEIFRAFTELFQ
VACAKPPPLGLCDYPSSRAMYAVDLMLKWDNGPDGRRVMQPQILEVNFNPDCERACRYHPTFFNDVFSTL
FLDQPGGCHVTCLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

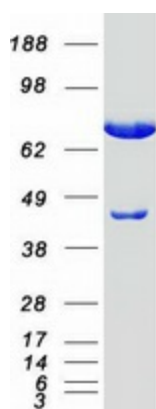
Tag:	C-Myc/DDK
Predicted MW:	74.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_055955
Locus ID:	23170
UniProt ID:	Q14166 , A0A024R4U3
RefSeq Size:	3421
Cytogenetics:	22q13.2
RefSeq ORF:	1932
Synonyms:	dj526l14.2
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 IKBKE (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]).