

Product datasheet for **TP300841M**

TTLL12 (NM_015140) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human tubulin tyrosine ligase-like family, member 12 (TTLL12), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200841 protein sequence Red =Cloning site Green =Tags(s) |

MEAERGPERRPAERSSPGQTPEEGAQALAEFAALHGPALRASGVPERYWGRLLHKLEHEVFDAGEVFGIM
QVEEVEEEDEAAREVRKQQPNPGNELCYKIVITRESGLQAAHPNSIFLIDHAWTCRVEHARQQLQVPG
LLHRMANLMGIEFHGELPSTEAVLVLEEMWKFNQTYQLAHGTAEKMPVWYIMDEFGSRIQHADVPSFA
TAPFFYMPQQVAYTLLWPLRDLDTGEEVTRDFAYGETDPLIRKCM LLPWAPTDMLDLSSCTPEPPAEHYQ
AILEENKEKLPLDINPVVHPHGHIKVVYTDVQQVASSLTHPRFTLTQSEADADILNFNSHFKDYRKLQS
RPGVLLNQFPCENLLTVKDCLASIARRAGGPEGPPWLPRTFNLRTLPQFVSYFQQRERWGEDNHWICKP
WNLARSLDTHVTKSLHSIIRHRESTPKVVSKEYIESPVFLREDVGVKVKFDIRYIVLLRSVRPLRLFVYDV
FWLRFSNRAFALNDLDDYEKHFVVMNYDPDVLKQVHCEEFIPEFEKQYPEFPWTDVQAEIFRAFTELFQ
VACAKPPPLGLCDYPSSRAMYAVDLMLKWDNGPDGRRVMQPQILEVNFNPDCERACRYHPTFFNDVFSTL
FLDQPGGCHVTCLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

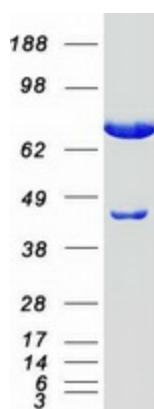
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 74.2 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: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