

## Product datasheet for TP509682

### Ttll12 (NM\_183017) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tubulin tyrosine ligase-like family, member 12 (Ttll12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209682 protein sequence Red=Cloning site Green=Tags(s)

MEIQSGPQPGSPGRAERLNARLLDEFVSLHGPTLRASGVPERLWGRLLHKLEHEVFDAGEMFGIKQVEEV  
EEAEDEAAREAQRKQPNPGGELCYKIVTSESGVRADDPNSIFLIDHAWTCRVEHARKQLQQVPGLLHRM  
ANLMGIEFHGEVPSPEVALVLEEMWKFNQTYQLAHGTAEEKVPVWYIMDEFGSRIQHSDMPSFATAPFF  
YMPQQVAYTLLWPLRDLDTGEEVTRDFAYGEADPLIRKCM LLPWAPADMLDLSFSTPEPPAKYYQAILEE  
NKEKLPLAISPVARPQGHVFRVHCDVQVVLGHLTHPRFTFDSEADADIFFHFSHF KDYMKLSQESPQVL  
LNQFPCENLLTVKDCLASIARRAGGPEGPPWLPRTFNLRTEL PQFVSYFQHRERRGEDNHWICKPWNLAR  
SLDTHVTNNLHSIIRHRESTPKVVS KYIESPVLFLREDVGNVKFDIRYIVLLRSVRPLRLFAYDVFWLRF  
SNRPFALDDLDYKHFVTMNYDPDV LKQVHYNEFIPQFEKQYPEFPWSDVQAEIFKAFTELFQVACAK  
PPPMGLCDYPSSRAMYAIDLMLNWDNHPDGKRV MQPQILEVNFNPDCERACRYHPSFFNDVFSTLFLDET  
DNCHVTRII

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	74 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP\\_898838](#)

Locus ID: 223723

UniProt ID: [Q3UDE2](#)

RefSeq Size: 3770

Cytogenetics: 15 E1

RefSeq ORF: 1920

Synonyms: BC055368; D430005B17

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