

Product datasheet for TP509724

Wee1 (NM_009516) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse WEE 1 homolog 1 (S. pombe) (Wee1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209724 protein sequence Red=Cloning site Green=Tags(s)

MSFLSRQPPPTRRVGAAYSLRQKLIFFSPGSDCEEEEEEEEEEGSGHSTGEDSAFQEPDSPLPSARSPAEA
EAERRRRSPGAEPSSPGELEDDLLLQGGGGGAQAAGGGAEGDSWEEEGFGSSSPVKSPSTAYFLSSPFSP
VRCGGPGDASPQGCAPRAMDDPCSPQPDYPSTPPHKTRKLRFLDTPHTPKSLLSKARVIDSGSVKLRG
SSLFMDTEKSGKREFDTRQTPQVNINPFTPDPVLLHSSGRCRGRKRAYFNDSSDMEASDYEFEDETRPA
KRITITESNMKSRYTTEFHELEKIGSGEFGSVFKCVKRLDGCYAIKRSKKPLAGSVDEQNALREVVYHA
VLGQHPHVRYFSAWAEDDHMLIQNEYCNGGSLADAISENYRVMSYLTVELKDLLQVGRGLRYIHSMS
LVHMDIKPSNIFISRTSIPNAVSEEGDEDDWISNKVMFKIGDLGHVTRISSPQVEEGDSRFLANEVLQEN
YSHLPKADIFALALTVCAAGAEPLPRNGEQWHEIRQGRPRIPQVLSQEVTELLRVMIHDPERRPSAM
ELVKHSVLLSASRKSAEQLRIELNAEKFKNSLLQKELKKAQMAAKVAAEERLFTDRMATRSTTQSNRTS
RLIGKKMNRVSLTIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	71.6 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.

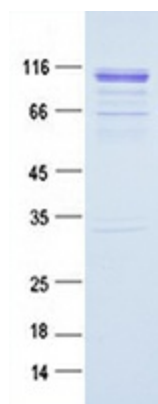


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RefSeq:	NP_033542
Locus ID:	22390
UniProt ID:	P47810
RefSeq Size:	3419
Cytogenetics:	7 E3
RefSeq ORF:	1941
Synonyms:	Wee1A

Summary: Acts as a negative regulator of entry into mitosis (G2 to M transition) by protecting the nucleus from cytoplasmically activated cyclin B1-complexed CDK1 before the onset of mitosis by mediating phosphorylation of CDK1 on 'Tyr-15'. Specifically phosphorylates and inactivates cyclin B1-complexed CDK1 reaching a maximum during G2 phase and a minimum as cells enter M phase. Phosphorylation of cyclin B1-CDK1 occurs exclusively on 'Tyr-15' and phosphorylation of monomeric CDK1 does not occur. Its activity increases during S and G2 phases and decreases at M phase when it is hyperphosphorylated. A correlated decrease in protein level occurs at M/G1 phase, probably due to its degradation (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Wee1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.