

Product datasheet for **TP502861**

Cdc34 (NM_177613) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse cell division cycle 34 (Cdc34), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR202861 protein sequence
Red=Cloning site **Green**=Tags(s)

MARPLVPSSQKALLLELKGLQEPEVEGFRVTLVDEGDLYNWEVAIFGPPNTYYEGGYFKARLKFPIIDYPY
SPPAFRFLTKMWHHPNIYETGDVCISILHPPVDDPQSGELPSEWNPQTQNVRTILLSVISLLNEPNTFSPA
NVDASVMYRKWKESKGDREYTDIIRKQVLGTVKVAERDGVKVPPTLAEYCVKTKAPAPDEGSDFYDDY
YEDGEVEEADSCFGDEEDDSGTEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 26.6 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.

RefSeq: [NP_808281](#)

Locus ID: 216150

UniProt ID: [Q8CFI2](#)

RefSeq Size: 1295



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Cytogenetics: 10 39.72 cM

RefSeq ORF: 708

Synonyms: AI327276; E2-CDC34; UBE2R1

Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-linked polyubiquitination. Cooperates with the E2 UBCH5C and the SCF(FBXW11) E3 ligase complex for the polyubiquitination of NFKBIA leading to its subsequent proteasomal degradation. Performs ubiquitin chain elongation building ubiquitin chains from the UBE2D3-primed NFKBIA-linked ubiquitin. UBE2D3 acts as an initiator E2, priming the phosphorylated NFKBIA target at positions 'Lys-21' and/or 'Lys-22' with a monoubiquitin. Cooperates with the SCF(SKP2) E3 ligase complex to regulate cell proliferation through ubiquitination and degradation of MYBL2 and KIP1. Involved in ubiquitin conjugation and degradation of CREM isoform ICERIIgamma and ATF15 resulting in abrogation of ICERIIgamma- and ATF5-mediated repression of cAMP-induced transcription during both meiotic and mitotic cell cycles. Involved in the regulation of the cell cycle G2/M phase through its targeting of the WEE1 kinase for ubiquitination and degradation. Also involved in the degradation of beta-catenin.[UniProtKB/Swiss-Prot Function]