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Product datasheet for TP502115

Ube2t (NM_026024) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ubiquitin-conjugating enzyme E2T (Ube2t), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202115 protein sequence Red=Cloning site Green=Tags(s) MQRASRLKKELHMLAIEPPPGITCWQEKDQVADLRAQILGGANTPYEKGVFTLEVIIPERYPFEPPQVRF LTPIYHPNIDSSGRICLDILKLPPKGAWRPSLNIATVLTSIQLLMAEPNPDDPLMADISSEFKYNKIAFL KKAKQWTEAHARQKQKADEEELGTSSEVGDSEESHSTQKRKARPLGGMEKKFSPDVQRVYPGPS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	23 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_080300
Locus ID:	67196
UniProt ID:	Q9CQ37
RefSeq Size:	1134
Cytogenetics:	1 E4

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RefSeq ORF: 615

Synonyms: 2700084L22Rik; C80607

Summary: Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. Catalyzes monoubiquitination. Involved in mitomycin-C (MMC)-induced DNA repair: acts as a specific E2 ubiquitin-conjugating enzyme for the Fanconi anemia complex by associating with E3 ubiquitin-protein ligase FANCL and catalyzing monoubiquitination of FANCD2, a key step in the DNA damage pathway. Also mediates monoubiquitination of FANCL and FANCI. May contribute to ubiquitination and degradation of BRCA1. In vitro able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys-11'-, 'Lys-27'-, 'Lys-48'- and 'Lys-63'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]