

## Product datasheet for **TP518314**

### **Ddi1 (NM\_027942) Mouse Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DNA-damage inducible 1 (Ddi1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218314 representing NM_027942 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MLITVYCVRRDLTEVTFSLQVNPDFELSNFRVLCEESGVPAEEAQIVYMEQLLTDDHCSLGSYGLKGDG MVLQKQDNVGLRTPGRTPNHPRADFTGSGSAVPGTSSSRHPHQHHYHHHQRIPTQQAHLASG ENM</p> <p>TFAQELDSPALIRSMLLSNPHDLSLLKERNPALAEALLSGNLETFSQVLMEQQRERTLREQEMFRLYSTN PFDQETQARIEEEIRQQNIEENMNIAEAPESFGQVAMLYINCKVNGHPLKAFVDSGAQMTIMSQACAE RCNIMRLVDRRWGGVAKGVGTQRMGRVHLAQIQIEGDFLQCSFSILEEQPMDILLGLDMLRRHQCSIDL KKNVLVIGTTGSQTHFLPEGELPLCAKLLSGTVQEESDREVGGTIKHPVKGPGRKKH</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	45.7 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:	<u><a href="#">NP_082218</a></u>
Locus ID:	71829



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UniProt ID: [Q9DAF3](#)

RefSeq Size: 1520

Cytogenetics: 9 A1

RefSeq ORF: 1224

Synonyms: 1700011N24Rik

**Summary:** Probable aspartic protease (By similarity). Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2. Required, with DD12, for cellular survival following replication stress. Together or redudantly with DD12, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (By similarity).[UniProtKB/Swiss-Prot Function]