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# Product datasheet for TP520323

## Fdx1 (NM_007996) Mouse Recombinant Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Mouse ferredoxin 1 (Fdx1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| **Species:** | Mouse |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >MR220323 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MAAAPGARLLRAACASVPFRGLDRCRLLVCGTGAGTAISPWTPSPRLHAEAGPGRPLSVSARARSSSEDK ITVHFKNRDGETLTTKGKIGDSLLDVVIENNLDIDGFGACEGTLACSTCHLIFEDHIYEKLDAITDEEND MLDLAFGLTDRSRLGCQVCLTKAMDNMTVRVPEAVADVRQSVDMSKNS<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-MYC/DDK |
| **Predicted MW:** | 20.1 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_032022 |
| **Locus ID:** | 14148 |
| **UniProt ID:** | P46656, Q545P3 |
| **RefSeq Size:** | 1227 |
| **Cytogenetics:** | 9 A5.3 |

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**RefSeq ORF:** 567

**Synonyms:** ADRE

**Summary:** Ferrodoxins are iron-sulfur proteins that facilitate monooxygenase reactions catalyzed by P450 enzymes. The protein encoded by this gene is present in the mitochondrial matrix and transfers electrons from ferredoxin reductase to steroidogenic mitochondrial cytochrome P450 proteins. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2014]