

Product datasheet for **TP503553**

Zfand1 (NM_025512) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse zinc finger, AN1-type domain 1 (Zfand1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203553 representing NM_025512 Red =Cloning site Green =Tags(s)
	 MAELDIGQHCQVQHCRQRDFLPFVCDGCSGIFCLEHRSKDSHGCEVNVKERPKTDEHKSYSCSFKGCT DVELVAVICPYCEKNFCLRRHQSDHDCEKLEVAKPRMAATQKLVRDIVDAKTGGAASKGRKGAKSSGTA AKVALMCLKMHADGDKSLPQTERTYFQVYLPKGSKEKSKAMFFCLRWSIGKVVDFAASLANLRNENNKLT AKKLRLLCHVPSGEALPLDHTLERWITKEECPLYNGGNVILEYLNDEEQFLKNVDSYLE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	30.2 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_079788
Locus ID:	66361
UniProt ID:	Q8BFR6
RefSeq Size:	1646



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Cytogenetics: 3 A1

RefSeq ORF: 804

Synonyms: 2310008M20Rik; AW048890

Summary: Plays a role in the regulation of cytoplasmic stress granules (SGs) turnover. SGs are dynamic and transient cytoplasmic ribonucleoprotein assemblies important for cellular protein homeostasis when protein production is suspended after acute exogenous stress. Associates with SGs and is involved in the efficient and specific arsenite-induced clearance process of SGs through the recruitment of the ubiquitin-selective ATPase VCP and the 26S proteasome. This process requires both complexes for efficient degradation of damaged ubiquitinated SG proteins during recovery from arsenite stress, and hence avoiding aberrant cytoplasmic SGs degradation via autophagy.[UniProtKB/Swiss-Prot Function]