

Product datasheet for **TP527588**

Tsen54 (NM_029557) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tRNA splicing endonuclease subunit 54 (Tsen54), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR227588 representing NM_029557
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MEPEPEPGSVEVPAGRVLSASELRAARSRSQKLPQRSHGPKDFLPDGSEAQAERLRLCRQELWQLLAEER
VERLGSLVAAEWKPEEGFVELTSPAGKFWQTMGYSEEGRQLHPPEALYLLECGSIQLFYQDLPLSIQEA
YQLLLTEDTLSFLQYQVFSHLKRLGYVRRFQLSSVSPYERQLNLDGYAQCLEDGSGKRKRSSSCRSVN
KKPKVLQNSLPPVSLAASSSPACDQSSQYPEEKSQDSSPRQSGSELPLQFLGSSEPCSDLAREVDVGCRES
HKIENGAKGTPKLRWNFEQISFPNMAASDRHTFLPAPAPPELLPANVIGRGTDAESWCQKLNQRREKLSRR
DREQQAVVQQFREDVNADPEVRGCSWQYKELLQRRQTQKSQPRPPHLWGQSVTPLLDPAKADCPAAVL
QHISVLQTTHLADGGYRLLKESGGLQISFDVYQADAVATFRKNSPGKPYVRMCISGFDDPVPDLCSLKL
TYQSGDVPILFALVDHGDISFYFRDFTLPRDLGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	59.5 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_083833



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Locus ID: 76265

UniProt ID: [Q8C2A2](#)

RefSeq Size: 1972

Cytogenetics: 11 E2

RefSeq ORF: 1575

Synonyms: 0610034P02Rik

Summary: Non-catalytic subunit of the tRNA-splicing endonuclease complex, a complex responsible for identification and cleavage of the splice sites in pre-tRNA. It cleaves pre-tRNA at the 5' and 3' splice sites to release the intron. The products are an intron and two tRNA half-molecules bearing 2',3' cyclic phosphate and 5'-OH termini. There are no conserved sequences at the splice sites, but the intron is invariably located at the same site in the gene, placing the splice sites an invariant distance from the constant structural features of the tRNA body. The tRNA splicing endonuclease is also involved in mRNA processing via its association with pre-mRNA 3'-end processing factors, establishing a link between pre-tRNA splicing and pre-mRNA 3'-end formation, suggesting that the endonuclease subunits function in multiple RNA-processing events (By similarity).[UniProtKB/Swiss-Prot Function]