

## Product datasheet for TP518953

### Casc3 (NM\_138660) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cancer susceptibility candidate 3 (Casc3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218953 representing NM_138660 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MADRRRQRASQDTEDEESGASGSDSGSPARGGGSCSGSVGGGGSGSLPSQRGGRGGGLHRRVESGGAKS AEESECESEDGMEGDAVLSDYESAEDSEGEEDYSEEENSKVELKSEANDAADSSAKEKGEEKPESKGTVT GERQSGDGQESTEPVENKVGKKGPKHLDDDEDKRNPAYIPRKGLFFEHLRGTQEEEVPRKGRQRKLWK DEGRWEHDKFREDEQAPKSRQELIALYGYDIRSAHNPDIIKPRRIRKPRFGSSQRDPNWIWDRSSKSHR HQQPGGNLPPRTFINRNTAGTGRMSASRNYSRSGGFKDGRTSFRPVEVAGQHGGRSAETLKHEASYRSRR LEQTPVRDPSPEPDAPLLGSPEKEEVASETAAVDPDITPPAPDRPIEKKSYSRARTRTKVGDVAKAAEE VPPPSEGLASTATVPETTPAAKTGNWEAPVDSTTGGLEQDVAQLNIAEQSWSPSQPSFLQPRELRGVPNH IHMGAGPPPQFNRMEEMGVQSGRAKRYSSQRQRPVPEPPAPPVHISIMEGHYYDPLQFQGPYIYTHGDSPA PLPPQGMIVQPEMHLPHGLPHQSPGPLPNGLYPPVSMSPGQPPPQQLLAPTYFSAPGVMNFGNPNY PYAPGALPPPPPHLYPNTQAPPQVYGGVTYNPAQQQVQPKPSPRRTPQPVSIKPPPEVVSRRGSS</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	75.8 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.



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RefSeq: [NP\\_619601](#)

Locus ID: 192160

UniProt ID: [Q8K3W3](#)

RefSeq Size: 3764

Cytogenetics: 11 D

RefSeq ORF: 2094

Synonyms: Btz; Mln51

**Summary:** Required for pre-mRNA splicing as component of the spliceosome. Core component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junctions on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. The EJC marks the position of the exon-exon junction in the mature mRNA for the gene expression machinery and the core components remain bound to spliced mRNAs throughout all stages of mRNA metabolism thereby influencing downstream processes including nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Stimulates the ATPase and RNA-helicase activities of EIF4A3. Plays a role in the stress response by participating in cytoplasmic stress granules assembly and by favoring cell recovery following stress. Component of the dendritic ribonucleoprotein particles (RNPs) in hippocampal neurons. May play a role in mRNA transport. Binds spliced mRNA in sequence-independent manner, 20-24 nucleotides upstream of mRNA exon-exon junctions. Binds poly(G) and poly(U) RNA homopolymer. [UniProtKB/Swiss-Prot Function]