

Product datasheet for TP502833

D2Ertd750e (BC031709) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DNA segment, Chr 2, ERATO Doi 750, expressed (cDNA clone MGC:30961 IMAGE:4021550), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202833 protein sequence Red =Cloning site Green =Tags(s)
	MASAKTVCDAPHSMPSCGLPADTQTRATSKLPVKSKEADLLRHLHPGGPEPDVTKVTKSRRENGQVKAA ETASRRNLRNSYKPFNKQKPEEELKDKNELLEAVNKQLHQKLTETQGELKDLTQKVELLEKFQDNCLALL ESKGLNPGQETLASKQEPTTDHTDSMLLLETLKDELKVFNETAKKQMEELQALKVKLKLKEEESVQFLEQ QTLCKDEASDFTIILEEMEQLLEM
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	26.5 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.
Locus ID:	51944
UniProt ID:	Q9D9Z1
RefSeq Size:	1218



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Cytogenetics: 2 E5

RefSeq ORF: 702

Synonyms: 1700025D04Rik; C15orf23; D2Ertd750e; SKAP; Traf4af1

Summary: Essential component of the mitotic spindle required for faithful chromosome segregation and progression into anaphase. Promotes the metaphase-to-anaphase transition and is required for chromosome alignment, normal timing of sister chromatid segregation, and maintenance of spindle pole architecture. The astrin (SPAG5)-kinastrin (SKAP) complex promotes stable microtubule-kinetochore attachments. Required for kinetochore oscillations and dynamics of microtubule plus-ends during live cell mitosis, possibly by forming a link between spindle microtubule plus-ends and mitotic chromosomes to achieve faithful cell division.
[UniProtKB/Swiss-Prot Function]