OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP522831

Dmc1 (NM_010059) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DNA meiotic recombinase 1 (Dmc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222831 representing NM_010059 Red=Cloning site Green=Tags(s) MKEDQVVQEESGFQDDEESLFQDIDLLQKHGINMADIKKLKSVGICTIKGIQMTTRRALCNVKGLSEAKV EKIKEAANKLIEPGFLTAFQYSERRKMVFHITTGSQEFDKLLGGGIESMAITEAFGEFRTGKTQLSHTLC VTAQLPGTGGYSGGKIIFIDTENTFRPDRLRDIADRFNVDHEAVLDNVLYARAYTSEHQMELLDYVAAKF HEEAGIFKLLIIDSIMALFRVDFSGRGELAERQQKLAQMLSRLQKISEEYNVAVFVTNQMTADPGATMTF QADPKKPIGGHILAHASTTRISLRKGRGELRIAKIYDSPEMPENEATFAITAGGIGDAKE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	37.8 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.
RefSeq:	NP_034189
Locus ID:	13404
UniProt ID:	Q61880, Q14AN8

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RefSeq Size:	2227
Cytogenetics:	15 37.79 cM
RefSeq ORF:	1020
Synonyms:	Dmc1h; Lim15; Mei1; Mei11; sg; sgdp
Summary:	This gene encodes a member of the superfamily of recombinases (also called DNA strand-exchange proteins). Recombinases are important for repairing double-strand DNA breaks during mitosis and meiosis. This protein, which is evolutionarily conserved, is reported to be essential for meiotic homologous recombination and may thus play an important role in generating diversity of genetic information. In mouse, deficiency of this gene causes infertility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]