

Product datasheet for **TP318311L**

DMC1 (NM_007068) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast) (DMC1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218311 protein sequence Red =Cloning site Green =Tags(s)

MKEDQVAAEPPGFQDEEESLFQDIDLLQKHGINVADIKLKLSVGICTIKGIQMTTRRALCNVKGLEAKV
DKIKEAANKLIEPGFLTAFEYSEKRKMVFHITTSQEFDKLLGGGIESMAITEAFGEFRTGKTQLSHTLC
VTAQLPGAGGYPGGKIIFIDTENTFRPDRLRDIADRFNVDHDAVLNVLARAYTSEHQMELLDYVAAKF
HEEAGIFKLLIIDSIMALFRVDFSGRGEAERQQKLAQMLSRQKISEEYNVAVFVTNQMTADPGATMTF
QADPKKPIGGHILAHASTTRISLRKGRGELRIAKIYDSEMPENEATFAITAGGIGDAKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

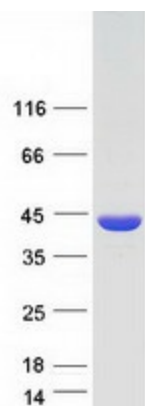
Tag:	C-Myc/DDK
Predicted MW:	37.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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:	<u>NP_008999</u>
Locus ID:	11144



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UniProt ID:	Q14565
RefSeq Size:	2281
Cytogenetics:	22q13.1
RefSeq ORF:	1020
Synonyms:	dj199H16.1; DMC1H; LIM15
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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified DMC1 protein (Cat# [TP318311]). The protein was produced from HEK293T cells transfected with DMC1 cDNA clone (Cat# [RC218311]) using MegaTran 2.0 (Cat# [TT210002]).