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Product datasheet for TP509310

4930432K21Rik (NM_029045) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RIKEN cDNA 4930432K21 gene (4930432K21Rik), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209310 protein sequence Red=Cloning site Green=Tags(s) MNKKKQRNSGVGLHPSKPSKNPRLRDSHSSMMVHSHYSRESEDSSEPAPSVELGGEEPLHEAFSCPVEDT GAASDLAGSPKELVPLPPSQNSVGKFVPQFAKPRKTVTRKAKAWEEDLEGCTTSQETRPELGALKAASQP QRESLRFPPHDIRPEVQTQPDGTLSKERTISLDNRSLGNNGFEMATVQDSSSPLSDAAAEGREADSRDPQ ERDAQGGEAGAQHSGEPQEGEDILYTSALAPASEPTWSVAQDLSVPTYTLSSTAAAPSSTSPADASLMDT VITEASLDPSVLQQSAPQVAKLLGSLDEQIPDGGCIGTLLSSTPLAEETTAGREEARWEERCHGDTLASF TETEPEKQEPVTEAGDSGHIAQEMDPVVKTKDSGSDEQSPGDIGMLPLPAQSMNQMLVELRGLTCDQDLE GLSTPHTSSQLEHTCAASDPPQSTKDCHSSPGIPVHLAAPCPRDQAAWQESSAMELDFLPDSQIQDALDA TNMEQGFPSGSMPDLGWPVPSSQSIGGSPKAVTKPQSRSHVETWAQETYRMQDATDTVRGLVVELSGLNR LIMSTHRDLEAFKRRKTKSLPYLTKGLGSLPRGDQSWRDL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	64.4 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_083321
Locus ID:	74666
UniProt ID:	Q6DIA7, E9QNR8, A0A0R4J144
RefSeq Size:	2494
Cytogenetics:	8 C2
RefSeq ORF:	1803
Summary:	Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair (PubMed:32463460, PubMed:32460033). Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand break (DSB) sites through the interaction with and stabilization of the BRCA2:HSF2BP complex during meiotic recombination (PubMed:32460033, PubMed:32463460). Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility (PubMed:32463460, PubMed:32460033). [UniProtKB/Swiss-Prot Function]