

Product datasheet for TP526215

Msh5 (NM_001146215) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mutS homolog 5 (Msh5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226215 protein sequence Red=Cloning site Green=Tags(s)

MAFRATPGRTPPGPGPRSGIPASAFSPQPPMAGPGGIEEEDDEEPAEIHLCVLWSSGYLGIAYYDTSDS
TIHFMPDAPDHESLKLQVLDVINPQSVVTSKQDEAMTRFLGKLASEEHREPKGPEIILLPSVDFGPE
ISKQRLLSGNYSFISDSMTATEKILFLSSIIPFDCVLTVRALGGLLKFLSRRRIGVELEDYDVGVPILGF
KKFVLTHLVSIDQDTYSVLQIFKSESHPSVYKVASGLKEGLSLFGILNRCRCKWGQKLLRLWFRPTREL
RELNSRLDVIQFFLMPQNLDMAQMLHRLLSHIKNVPLILKRMKLSHTKVSDWQVLYKTVYSALGLRDACR
SLPQSIQLFQDIAQEFSDDLHHIASLIGKVVDFFEESLAENRFTVLPNIDPDIDAKRRRLIGLPSFLTEVA
QKELENLDSRIPSCSVIYIPLIGFLLSIPRLPFMVEASDFEIEGLDFMFLSEDKLHYRSARTKELDTLLG
DLHCEIRDQETLLMYQLQCQVLRASVLRVLDLASRLDVLLALASAARDYGYSRPHYSPCIHGVRIRNG
RHPLVELCARTFVPNSTDCGGDQGRVKVITGNSSGKSIYKQVGLITFMALVGSFVPAEEAEIGVIDAI
FTRIHSCESISLGLSTFMIDLNQVAKAVNNATEHSLVLIDFEGKGTNSVDGLALLAAVLRHWLALGPSCP
HVFVATNFLSLVQLQLLPQGPLVQYLTMETCEDGEDLVFFYQLCQGVASASHASHTAAQAGLPDPLIARG
KEVSDLIRSGKPIKATNELLRRNQMENCQALVDKFLKLDLEDPTLDDLIFISQEVLPAAPTIL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

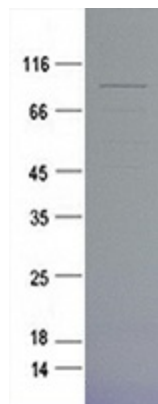
Tag:	C-MYC/DDK
Predicted MW:	92.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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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_001139687
Locus ID:	17687
UniProt ID:	Q9QUMZ , A0A0R4IZY8
RefSeq Size:	2693
Cytogenetics:	17 18.57 cM
RefSeq ORF:	2502
Synonyms:	Mut5
Summary:	This gene encodes a member of the MutS family of proteins that play critical roles in DNA mismatch repair and meiotic homologous recombination processes. Mice lacking the encoded protein are viable but sterile, with severe defects in spermatogenesis in males and complete loss of ovarian structures in females. Mutations in a similar gene in humans have been shown to cause common variable immune deficiency (CVID) and immunoglobulin A deficiency. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2015]

Product images:



Purified recombinant protein Msh5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.