

DNA mismatch repair protein MutS Recombinant Protein | MUTS recombinant protein

Recombinant Aquifex aeolicus DNA mismatch repair protein MutS

CATALOG # AAA309799	HOST Yeast
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PRODUCT SYNONYMS

DNA mismatch repair protein MutS; Recombinant Aquifex aeolicus DNA mismatch repair protein MutS; MUTS recombinant protein

PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	Greater than 90% as determined by SDS-PAGE.
Form/Format	Tris-HCl based buffer 50% glycerol
Sequence Positions	Full Length, 1-859aa
Sequence	MEKSEKELTP MLSQYHYFKN QYPDCLLLFR LGDFYELFYE DAYIGSKELG LVLTSRPAGK GKERIPMCGV PYHSANSYIA KLVNKGYKVA ICEQVEDPSK AKGIVKREV RVITPGTFFE RDTGGLASLY KKGNYHYVGY LNLAVGEFLG AKVKIEELL LLSKLNKEI LVKKGEKLPE ELEKVLKVYV SELEEEFFEE GSEELKDFG VLSLQAFGFE EDTYSLPLGA VYKYAKTTQK GYTPLIPRPK PYRDEGFVRL DIKAIKGLEI LESLEGRKDI SLFKVIDRTL TGMGRRRLKF RLLSPFRSRE KIERIQEGVQ ELKENREALL KIRQILEGMA DLERLVSKIS SNMATPRELV YLKNLKKVE ELRLLELLEK APIFKEILQN FEDTKKIIND IEKTLVEDPP LHVKEGGLIR EGVNAYLDEL RFIRDNAETY LREYEKKLRQ ETGIQSLKIG YNKVMGYIIE VTKPNLKYVP SYFRRRQTLN NSERFTTEEL QRLEEKILSA QTRINDLEYE LYKELRERVV KELDKVGNN SAVAEDFIQ SLAQIAYEKD WAKPQIHEGY ELIIEEGRHP VIEEFVENYV PNDTKLDRDS FIHVITGPNM AGKSSYIRQV GVLTLSSHIG SFIPARRAKI PVVDALFTRI GSGDVLALGV STFMNEMLEV SNILNNATEK SLVILDEVGR GTSTYDGLAI SKAIVKYISE KLKAKTLLAT HFLEITELEG KIEGVKNYHM EVEKTPEGIR FLYILKEGKA EGSFGIEVAK LAGLPEEVVE EARKILRELE EKENKKEDIV PLLEETFKKS EEAQRLEEYE EIIKKIEID IGNTTPLQAL LILAEKKKC SFSKKESGA
Calculated MW	100.4 kDa
Tag Info	N-terminal 6xHis-tagged
Preparation and Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C, -80°C. The shelf life of lyophilized form is 12 months at -20°C, -80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week

ADDITIONAL INFORMATION

Related Product Information for MUTS recombinant protein	Recombinant Protein This protein is involved in the repair of mismatches in DNA. It is possible that it carries out the mismatch recognition step. This protein has a weak ATPase activity (By similarity)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15605835
NCBI GeneID	1192886

NCBI Accession #	NP_213212.1
NCBI GenBank Nucleotide #	NC_000918.1
UniProt Accession #	O66652
NCBI Official Full Name	DNA mismatch repair protein MutS
NCBI Official Symbol	mutS1
NCBI Protein Information	DNA mismatch repair protein MutS
UniProt Protein Name	DNA mismatch repair protein MutS
UniProt Gene Name	mutS
UniProt Synonym Gene Names	mutS1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/muts-recombinant-protein-yeast/309799>