

Recombinant Aquifex aeolicus DNA mismatch repair protein MutS

Catalog No: #AP73024

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Package Size: #AP73024-1 20ug #AP73024-2 100ug #AP73024-3 1mg

Description

Product Name	Recombinant Aquifex aeolicus DNA mismatch repair protein MutS
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-859aaSequence Info:Full Length
Accession No.	O66652
Uniprot	O66652
GeneID	1192886;
Calculated MW	100.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MEKSEKELTPMLSQYHYFKNQYPDCLLLFRLGDFYELFYEDAYIGSKELGLVLTSRPAGKGKERIPMCGVPYH SANSYIAKLVNKGKVAICEQVEDPSKAKGIVKREVVVRVITPGTFFERDTGGLASLYKKGNHYVGYLNLAVGE FLGAKVKIEELDLLSKLNIKEILVKKGEKLPPELEKVLKVYVSELEEEFFEEGSEEILKDFGVLSLQAFGEEDTY SLPLGAVYKYAKTTQKGYTPLIPRPKPYRDEGFVRLDIKAIKGLEILESLEGRKDISLFKVIDRTLTMGRRRLKF RLLSPFRSREKIERIQEGVQELKENREALLKIRQILEGMADLERLVSKISSNMATPRELVYLKNSLKKVEELRLL LELKAPIFKEILQNFEDTKKIINDIEKTLVEDPPLHVKEGGLIREGVNAYLDELRFIRDNAETYLREYEKLRQETG IQSLKIGYNKVMGYIEVTKPNLKYVPSYFRRRQTLNSERFTTEELQRLEEKILSAQTRINDLEYELYKELRER VVKELDKVGNNASAVAEVDFIQSLAQIAYEKDWAKPQIHEGYELIIEEGRHPVIEEFVENYVPNDTKLDRDSFIH VITGPNMAGKSSYIRQVGVLTLLSHIGSFIPARRAKIPVVDALFTRIGSGDVLALGVSTFMNEMLEVSNILNATE KSLVILDEVGRGTSTYDGAISKAIVKYISEKLKAKTLLATHFLEITELEGKIEGVKNYHMEVEKTPGIRFLYILKE GKAEGSFGIEVAKLAGLPEEVVEEARKILRELEEKENKKEDIVPLLEETFKKSEEAQRLEEYEEIHKKIEEIDIGNT TPLQALLILAELEKSKSFSKESGA
Formulation	Tris-based buffer50% glycerol
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.

Background

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).

References

"The complete genome of the hyperthermophilic bacterium Aquifex aeolicus."Deckert G., Warren P.V., Gaasterland T., Young W.G., Lenox A.L.,

Note: This product is for in vitro research use only