

Recombinant Aquifex Aeolicus MUTS Protein (1-859 aa), His-tagged

Cat. No. MUTS-1643A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Aquifex Aeolicus (strain VF5) MUTS Protein (1-859 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Aquifex Aeolicus
Source	Yeast
ProteinLength	1-859 aa
Description	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).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	100.4 kDa
AA Sequence	MEKSEKELTPMLSQYHYFKNQYPDCLLLFRLGDFYELFYEDAYIGSKELGLVLTSRP AGKGKERIPMCGVPYHSANSYIAKLVNKGKVAICEQVEDPSKAKGIVKREVVRVITP GTFFERDTGGLASLYKKGNHYVGYLNLAVGEFLGAKVKIEELDLLSKLNIKEILVKK GEKLPEELEKVLKVYVSELEEEFFEEGSEEILKDFGVLSLQAFGFEEEDTYSPLGAVY KYAKTTQKGYTPLIPRPKPYRDEGFVRLDIKAIKGLEILESLEGRKDISLFKVIDRTLGTG MGRRRLKFRLSPFRSREKIERIQEGVQELKENREALLKIRQILEGMADLERLVSKISS

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NMATPRELVYLNKNSLKKVEELRLLLLLELKAPIFKEILQNFEDTKKIINDIEKTLVEDPPLH
 VKEGGLIREGVNAYLDELRFIRDNAETYLREYEKKLRQETGIQSLKIGYNKVMGYIE
 VTKPNLKYVPSYFRRRQTLNSERFTTEELQRLEEKILSAQTRINDLEYELYKELRER
 VVKELDKVGNNASAVAEDFIQSLAQIAYEKDWAKPQIHEGYELIIEEGRHPVIEEFVE
 NYVPNDTKLDRDSFIHVITGPNMAGKSSYIRQVGVLTLLSHIGSFIPARRAKIPVVDAL
 FTRIGSGDVLALGVSTFMNEMLEVSNILNNATEKSLVILDEVGRGTSTYDGAISKAIV
 KYISEKLKAKTLLATHFLEITELEGKIEGVKNYHMEVEKTPEGIRFLYLKEGKAEGSFG
 IEVAKLAGLPEEVVEEARKILRELEEKENKKEDIVPLLEETFKKSEEAQRLEEYEEIHKI
 EEIDIGNTTPLQALLILAEKKKCSFSKESGA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

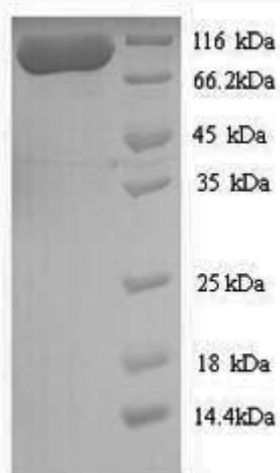
Synonyms mutS;

UniProt ID [O66652](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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