

Recombinant Aquifex aeolicus (strain VF5) mutS protein, MBP&His-Avi-tagged, Biotinylated

Cat. No. mutS-743A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Aquifex aeolicus (strain VF5) mutS protein(O66652)(1-859aa), fused with N-terminal MBP tag and C-terminal His and Avi tag, was expressed in E.coli.
Species	Aquifex Aeolicus
Source	E.coli
ProteinLength	1-859a.a.
Tag	MBP&His&Avi
Conjugation/Label	Biotin
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	146.1 kDa
Purity	Greater than 85% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

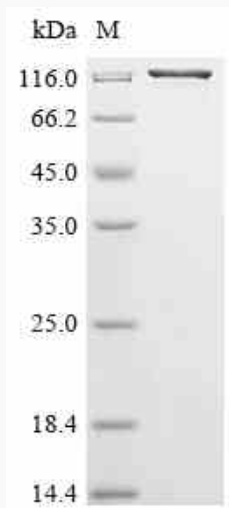
AA Sequence

MEKSEKELTPMLSQYHYFKNQYPDCLLLFRLGDFYELFYEDAYIGSKELGLVLTSRP
 AGKGKERIPMCGVPYHSANSYIAKLVNKGKVAICEQVEDPSKAKGIVKREVRVITP
 GTFFERDTGGLASLYKKGNHYVGYLNLA VGEFLGAKVKIEELDLLSKLNIKEILVKK
 GEKLPEELEKVLKVYVSELEEEFFEEGSEEILKDFGVLSLQAFGFEEEDTYSPLGAVY
 KYAKTTQKGYTPLIPRPKPYRDEGFVRLDIKAIKGLEILESLEGRKDISLFKVIDRTL TG
 MGRRLKFRLLSPFRSREKIERIQEGVQELKENREALLKIRQILEGMADLERLVSKISS
 NMATPRELVYLKNSLK KVEELRLLLLLELKAPIFKEILQNFEDTKKIINDIEKTLVEDPPLH
 VKEGGLIREGVNAYLDELRFIRDNAETYLREYEKKLRQETGIQSLKIGYNKVMGYIE
 VTKPNLKYVPSYFRRRQTLNSERFTTEELQRLEEKILSAQTRINDLEYELYKELRER
 VVKELDKVGNNASAVA EVDFIQSLAQIAYEKDWAKPQIHEGYELIIEEGRHPVIEEFVE
 NYVPNDTKLDRDSFIHVITGPNMAGKSSYIRQVGVLTLLSHIGSFIPARRAKIPVVDAL
 FTRIGSGDVLALGVSTFMNEMLEVSNILNNATEKSLVILDEVGRGTSTYDGAISKAIV
 KYISEKLKAKTLLATHFLEITELEGKIEGVKNYHMEVEKTPEGIRFLYILKEGKAEGSFG
 IEVAKLAGLP EEVV EEAR KILRELEEKENKKEDIVPLLEETFKKSEE AQRL EEEYEEI IKKI
 EEIDIGNTTPLQALLILAELKKKCSFSKKESGA

Conjugation

Biotin

SDS-PAGE



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