

Product Name: Thermus aquaticus MutS DNA mismatch repair protein

Product Type: Purified recombinant protein

Source: *E. coli*.

Fusion: None

Size: 0.1 mg

Gene Name: Thermus aquaticus MutS DNA mismatch repair protein

Accession #: AAC43637, TAU3311, U33117

GI: 1203807

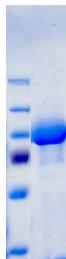
Purification Methods: FPLC

Purity: >95%

Storage: -20 °C

Storage Buffer: PBS Buffer **with** 50% Glycerol

QC: SDS-PAGE



Applications:

1. Remove mismatch DNA (error correction) from gene synthesis reaction
2. Mutation detection and removal.

Ref:

1. Protein-mediated error correction for *de novo* DNA synthesis. [Nucleic Acids Res.](#) 2004 Nov 23;32(20):e162.
2. Correcting errors in synthetic DNA through consensus shuffling. [Nucleic Acids Res.](#) 2005 Mar 30;33(6):e55.
3. MutS as a tool for mutation detection. [Acta Biochim Pol.](#) 2005;52(3):575-83. Epub 2005 Aug
4. One tube mutation detection using sensitive fluorescent dyeing of MutS protected DNA. [Nucleic Acids Res.](#) 2000 Apr 15;28(8):E36.