

RPPB5905

Product Information Protein Information

Product SKU:

RPPB5905

Accession:

Q56215

Host:

Escherichia Coli.

Protein description:

DNA Mismatch Repair Protein MutS Thermus Aquaticus Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 829 amino acids and having a molecular mass of 92.8kDa. The Thermus Aquaticus is fused to a 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

MutS, Thermus Aquaticus DNA Mismatch Repair Protein, DNA mismatch repair protein MutS.

Formulation:

The MutS protein is supplied in 20mM Tris-HCl, pH-8, 250mM NaCl, 0.1mM EDTA, 1mM DTT and 50% Glycerol.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MKIEHMEGML KEGPGPLPP LLQYVELRD QYPDYLLLFQ VGDFYECFGE DAERLARALG LVLTHKTSKD
FTTPMAGIPL RAFEAYAERL LKMGFRLAVA DQVEPAEEAE GLVRREVTQL LTPGTLLQES LLPREANYLA
AIATGDGWGL AFLDVSTGEF KGTVLKSKSA LYDELFRHRP AEVLLAPELL ENGAFLEDEFK KRFPMVLMSEA
PFEPEGEGPL ALRRARGALL AYAQRTQGGA LSLQPFYFD PGAFMRLPEA TLRALEVFEP LRGQDTLFSV
LDETRTAPGR RLLQSWLRHP LLDRGPLEAR LDRVEGFVRE GALREGVRRR LYRLADLERL ATRLELGRAS
PKDLGALRRS LQILPELRAL LGEEVGLPDL SPLKEELEAA LVEDPPLKVS EGGLIREGYD PDLDALRAAH
REGVAYFLEL EERERERTGI PTLKVGYNV FGYYLEVTRP YYERVPKEYR PVQTLKDRQR YTLPEMKEKE
REVYRLEALI RRREEVFLE VRERAKRQAE ALREAAARILA ELDVYAALAE VAVRYGYVRP RFGDRLQIRA
GRHPVVERRT EFPNDLEMA HELVLITGPN MAGKSTFLRQ TALIALLAQV GSFVPAEEAH LPLFDGIYTR
IGASDDLGG KSTFMVEMEE VALILKEATE NSLVLLDEVG RGTSSLDGVA IATAVAEALH ERRAYTLFAT
HYFELTALGL PRLKNLHVAA REEAGGLVYF HQVLPGPASK SYGVEVAAMA GLPKEVVARA RALLQAMAAR
REGALDAVLE RLLALDPDRL TPLEALRLQ ELKALALGAP LDTMKGKLA ALEHHHHHHH.