

Recombinant MutS Homolog 2 (MSH2) Instruction Manual

SIPJ459Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Nucleus
Predicted Molecular Mass	47.7kDa
Accurate Molecular Mass	48/16kDa(Analysis of differences refer to the manual)
Residues & Tags	Asn535~Thr934 with N-terminal His Tag
Buffer Formulation	100mMNaHCO ₃ , 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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NNKNFS TVDIQKNGVK
FTNSKLTSLN EYTKNKTEY EEAQDAIVKE IVNISSGYVE PMQTLNDVLA
QLDAVVSFAH VSNGAPVPYV RPAILEKGQG RIILKASRHA CVEVQDEIAF
IPNDVYFEKD KQMFHIITGP NMGGKSTYIR QTGVIVLMAQ IGC FVPCESA
EVSIVDCILA RVGAGDSQLK GVSTFMAEML ETASILRSAT KDSLIIIDEL
GRGTSTYDGF GLAWAISEYI ATKIGAFCMF ATHFHELTAL ANQIPTVNNL
HVTALTTEET LTMLYQVKKG VCDQSFGIHV AELANFPKHV IECAKQKALE
LEEFQYIGES QGYDIMEPAA KKCYLEREQG EKIIQEFLSK VKQMPFTEMS
EENITIKLKQ LKAEVIAKNN SFVNEIISRI KVT T
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USAGE

Reconstitute in 100mM NaHCO₃, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

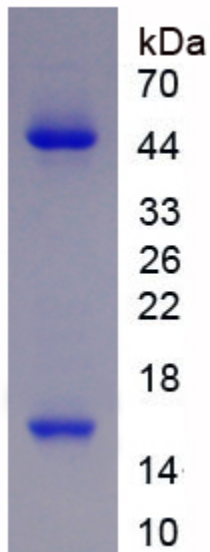


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.