

Recombinant 5-Methyltetrahydrofolate Homocysteine Methyltransferase (MTR) Instruction Manual

SIPG432Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	42.7kDa
Accurate Molecular Mass	43kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser923~Asp1265 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	5.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
                SLKERRYL PLSQARKSGF QMDWLSEPHP  
VKPTFIGTQV FEDYDLQKLV DYIDWKPFDD VWQLRGKYPN RGFPKIFNDK  
TVGGEARQVY DDAHNLNTL ISQKLRARG VVGFWPAQSI QDDIHLIAEA  
AVPQAAEPIA TFYGLRQQAE KDSASTEPYY CLSDFIAPLH SGIRDYLGFL  
AVACFGVEEL SKAYEDDGDD YSSIMVKALG DRLAEAFAGE LHERVRRELW  
AYCGSEQLDV ADLRRRLRYKG IRPAPGYPSQ PDHTEKLTMW RLADIEQSTG  
IRLTESLAMA PASAVSGLYF SNLKSRYFAV GKISKDQVED YALRKNISVA  
EVEKWLGPIL GYDTD
```

USAGE

Reconstitute in 10mM PBS (pH7.4) 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

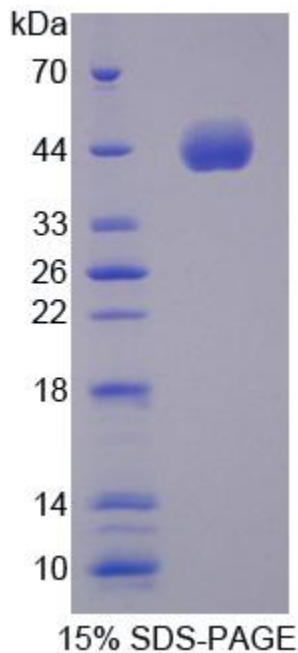


Figure. SDS-PAGE

[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.