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Recombinant Maltose Binding Protein (MBP)

Catalog Number: SIPX499Ge01 **Spec: 50ug**

Product Name	Recombinant Maltose Binding Protein (MBP)
Catalog Number	SIPX499Ge01
Organism Species	General
Source	Prokaryotic expression
Host	E.coli
Residues	Lys27~Thr392
Tags	N-terminal His Tag
Subcellular Location	Secreted
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Original Concentration	100μg/mL
Applications	Positive Control; Immunogen; SDS-PAGE; WB. (May be suitable for use in other assays to be determined by the end user.)
Predicted isoelectric point	6.2
Predicted Molecular Mass	50kDa
Accurate Molecular Mass	51kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: 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.

[SEQUENCE]

KIEE GKLVIWINGD KGYNGLAEVG
KKFEKDTGIK VTVEHPDKLE EKFPQVAATG DGPDIIFWAH DRFGGYAQSG
LLAEITPDKA FQDKLYPFTW DAVRYNGKLI AYPIAVEALS LIYNKDLLPN
PPKTWEEIPA LDKELKAKGK SALMFNLQEP YFTWPLIAAD GGYAFKYENG
KYDIKDVGVD NAGAKAGLTF LVDLIKNKHM NADTDYSIAE AAFNKGETAM
TINGPWAWSN IDTSKVNYGV TVLPTFKGQP SKPFVGVLSA GINAASPNKE
LAKEFLENYL LTDEGLEAVN KDKPLGAVAL KSYEEELAKD PRIAATMENA
QKGEIMPNIP QMSAFWYAVR TAVINAASGR QTVDEALKDA QT

[IDENTIFICATION]

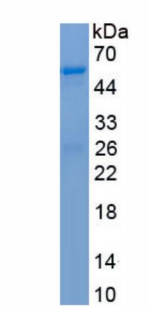


Figure. SDS-PAGE

[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.