SunLong Biotech Co.,LTD
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Recombinant High Mobility Group Box Protein 2 (HMGB2)

Catalog Number: SIPC492Ra01 **Spec: 50ug**

Product Name	Recombinant High Mobility Group Box Protein 2 (HMGB2)
Catalog Number	SIPC492Ra01
Organism Species	Rat
Source	Prokaryotic expression
Host	E.coli
Residuess	Gly2~Pro187
Tags	N-terminal His Tag
Tissue Specificity	Secreted, Cytoplasm, Chromosome
Purity	> 90%
Traits	Freeze-dried powder
Buffer formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Original Concentration	200μg/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	9.9
Predicted Molecular Mass	24.8kDa
Accurate Molecular Mass	29kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1.Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

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[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]

GKGDPNKPR GKMSSYAFFV QTCREEHKKK HPDSSVNFAE FSKKCSERWK
TMSAKEKSKF EDLAKSDKAR YDREMKNYVP PKGDKKGKKK DPNAPKRPPS
AFFLFCSEHR PKIKSEHPGL SIGDTAKKLG EMWSEQSAKD KQPYEQKAAK
LKEKYEKDIA AYRAKGKSEV GKKGPGRPTG SKKKNEP

[IDENTIFICATION]

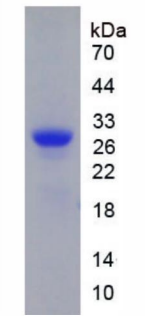


Figure. SDS-PAGE