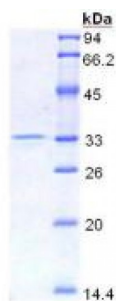


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Mouse High Mobility Group Protein 1 (HMG1) Protein

Catalogue No.: abx067106



SDS-PAGE analysis of Mouse HMG1 Protein.

Recombinant HMGB1 is a recombinant protein from Mouse. It is produced in E.coli using Prokaryotic expression.

Target: High Mobility Group Protein 1 (HMG1)

Origin: Mouse

Host: E. coli

Tested Applications: WB, SDS-PAGE

Purity: > 90%

Form: Lyophilized

Reconstitution: Reconstitute in PBS (pH 7.4) to a concentration of 0.1-1.0 mg/ml. Do not vortex.

Conjugation: Unconjugated

Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

Expression: Recombinant

Molecular Weight: 26.2 kDa (Predicted Molecular Mass), 33 kDa (Accurate Molecular Mass as determined by SDS-PAGE)
Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

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Swiss Prot: [P63158](#)

Sequence Fragment: Met1-Glu215

Sequence: MGKGDPKKPR GKMSSYAFFV QTCREEHKKK HPDASVNFSE FSKKCSERWK TMSAKEKGKF
EDMAKADKAR YEREMKTYIP PKGETKKKFK DPNAPKRPPS AFFLFCSEYR PKIKGEHPGL
SIGDVAKKLG EMWNNTAADD KQPYEKKA AK LKEYEKDIA AYRAKGKPDA AKKGVVKA EK
SKKKKEEEDD EEDEEDEEEE EEEEEDEEEE DDDDE

Tag: N-terminal His-tag

Activity: Not tested

Concentration: Prior to lyophilization: 200 µg/ml

Buffer: Prior to lyophilization: PBS, pH 7.4, containing 0.01% Sarcosyl, 1 mM DTT, 5% Trehalose and Proclin-300.

Note: This product is for research use only.