Recombinant High Mobility Group Protein 1 (HMG1)
Organism Species: Homo sapiens (Human)

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

11th Edition (Revised in May, 2016)

[ PROPERTIES ]

**Source:** Prokaryotic expression.
**Host:** E. coli
**Residues:** Met1~Glu215
**Tags:** N-terminal His-Tag
**Subcellular Location:** Nucleus. Chromosome.
**Purity:** >98%
**Traits:** Freeze-dried powder
**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
**Original Concentration:** 200µg/mL
**Applications:** SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.
(May be suitable for use in other assays to be determined by the end user.)
**Predicted isoelectric point:** 5.9
**Predicted Molecular Mass:** 26.4kDa
**Accurate Molecular Mass:** 25kDa as determined by SDS-PAGE reducing conditions.

[ USAGE ]

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

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C 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 ]

MGKGDPPKPR GKMSSYAFFV QTCREEHKK KPDASVNFSE FSKKCSRWK TMSAKEKKGKFK EDMKADKAR YEREMKTYIP PKGETKKFFK DPNAPKRPPS AFFLFCSEYR PIKGEHPGL SIGDVAKKLG EMWNNTAAD KQPYEKKAKK LKEKYEKDKIA AYRAKGKPDA AKGKVKAEEK SKKKKEEED EEDDEDEEEE DDDDE

[ IDENTIFICATION ]

Figure 1. Gene Sequencing (Extract)
Figure 2. SDS-PAGE