

**HMGA1, 1-107aa, Human, His tag, E.coli**

**Cat.NO.: TP02466**

3th Edition

**Synonyms:**High mobility group protein HMG-I/HMG-Y, HMG-R, HMGA1A, HMGIY

**Description:**High mobility group protein HMG-I/HMG-Y, also known as HMGA1, is a member of the non-histone chromosomal high mobility group protein (HMG) family. HMGA1 consists of a highly conserved AT-hook DNA binding domain that mediates binding to AT-rich sequences in the minor groove of chromosomal DNA. It functions as architectural chromatin-binding transcription factor altering the conformation of DNA by modulating nuclear protein-DNA complexes.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M NaCl

**Molecular Weight:**12.7 kDa (115aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

**Sequences:**

MSESSSKSSQPLASKQEKDGTEKRGRGRPRKQPPVSPGTALVGSQKEPSEVPTPKRPRGRPKGSKNKGAAKTRK  
TTTTTPGRKPRGRPKKLEKEEEEGISQESSEEEQLEHHHHHH

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.