

High Mobility Group AT Hook Protein 1 (HMGA1) Recombinant Protein | HMGA1 recombinant protein

Recombinant High Mobility Group AT Hook Protein 1 (HMGA1)

CATALOG # AAA134111	HOST E. coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

High Mobility Group AT Hook Protein 1 (HMGA1); Recombinant High Mobility Group AT Hook Protein 1 (HMGA1); HMGA1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 600ug/mL (varies by lot)
Sequence	ESSSKSSQPL ASKQEKDGE KRGRGRPRKQ PPVSPGTALV GSQKEPSEVP TPKRPRGRPK GSKNKGAAKT RKTTPGPRK PRGRPKLEK EEEEGISQES SEEEQ
Applicable Applications for HMGA1 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Glu3~Gln107
Tags	N-terminal His Tag
Subcellular Location	Nucleus, Chromosome
Traits	Freeze-dried powder
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.
Preparation and Storage	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.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504433
NCBI GeneID	3159
NCBI Accession #	NP_002122.1
NCBI GenBank Nucleotide #	NM_002131.3
UniProt Accession #	P17096; P10910; Q5T6U9; Q9UKB0
Molecular Weight	Predicted Molecular Mass: 13.0kDa Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	high mobility group protein HMG-I/HMG-Y isoform b
NCBI Official Synonym Full Names	high mobility group AT-hook 1
NCBI Official Symbol	HMGA1
NCBI Official Synonym Symbols	HMG-R; HMGIY; HMGA1A
NCBI Protein Information	high mobility group protein HMG-I/HMG-Y; HMG-I(Y); high mobility group protein R; high mobility group protein A1; nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y; high-mobility group (nonhistone chromosomal) protein isoforms I and Y
UniProt Protein Name	High mobility group protein HMG-I/HMG-Y
UniProt Gene Name	HMGA1
UniProt Synonym Gene Names	HMGIY; HMG-I(Y)
UniProt Entry Name	HMGA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hmga1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134111>