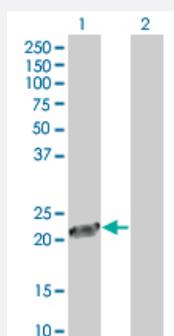


# HMGA1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003159-T01

Size 100 uL

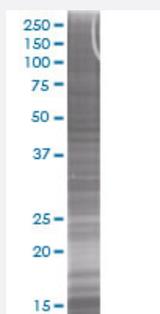
## Applications



### Western Blot

Lane 1: HMGA1 transfected lysate ( 10.56 KDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

HMGA1 transfected lysate.

## Specification

**Transfected Cell Line** 293T

**Plasmid** pCMV-HMGA1 full-length

**Host** Human

**Theoretical MW (kDa)** 10.67

**Quality Control Testing** Transient overexpression cell lysate was tested with Anti-HMGA1 antibody ([H00003159-B01](#)) by Western Blots.  
 Western Blot  
 Lane 1: HMGA1 transfected lysate ( 10.56 KDa)  
 Lane 2: Non-transfected lysate.  
 SDS-PAGE Gel  
 HMGA1 transfected lysate.

|                            |   |
|----------------------------|---|
| <b>Storage Buffer</b>      | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| <b>Storage Instruction</b> | Store at -80°C. Aliquot to avoid repeated freezing and thawing.   |

## Applications

- Western Blot

## Gene Info — HMGA1

|                            |   |
|----------------------------|---|
| <b>Entrez GeneID</b>       | <a href="#">3159</a>  |
| <b>GeneBank Accession#</b> | <a href="#">BC004924</a>  |
| <b>Protein Accession#</b>  | <a href="#">AAH04924</a>  |
| <b>Gene Name</b>           | HMGA1   |
| <b>Gene Alias</b>          | HMG-R, HMGA1A, HMG1Y, MGC12816, MGC4242, MGC4854  |
| <b>Gene Description</b>    | high mobility group AT-hook 1   |
| <b>Omim ID</b>             | <a href="#">600701</a>  |
| <b>Gene Ontology</b>       | <a href="#">Hyperlink</a>   |
| <b>Gene Summary</b>        | This gene encodes a non-histone protein involved in many cellular processes, including regulation of inducible gene transcription, integration of retroviruses into chromosomes, and the metastatic progression of cancer cells. The encoded protein preferentially binds to the minor groove of A+T-rich regions in double-stranded DNA. It has little secondary structure in solution but assumes distinct conformations when bound to substrates such as DNA or other proteins. The encoded protein is frequently acetylated and is found in the nucleus. At least seven transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq] |
| <b>Other Designations</b>  | OTTHUMP00000016222 OTTHUMP00000016223 OTTHUMP00000016224 OTTHUMP00000039618 high-mobility group (nonhistone chromosomal) protein isoforms I and Y nonhistone chromosomal high-mobility group protein HMG-I/HMG-Y  |

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Tobacco Use Disorder](#)