Recombinant Human HMGA1 Protein, GST-tagged

Cat. No. HMGA1-4863H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HMGA1 full-length ORF (AAH04924.1, 1 a.a. - 96 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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
Molecular Mass	36.19 kDa
AA Sequence	MSESSSKSSQPLASKQEKDGTEKRGRGRPRKQPPKEPSEVPTPKRPRGRPKGSKN KGAAKTRKTTTTPGRKPRGRPKKLEKEEEEGISQESSEEEQ
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array

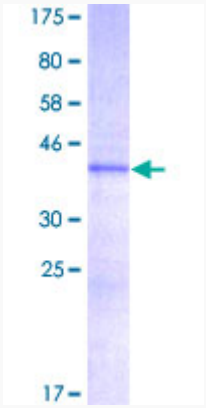
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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HMGA1 high mobility group AT-hook 1 [Homo sapiens]
Official Symbol	HMGA1
Synonyms	HMGA1; high mobility group AT-hook 1; high mobility group (nonhistone chromosomal) protein isoforms I and Y , HMGIY; 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; HMG-R; HMGIY; HMGA1A; MGC4242; MGC4854; MGC12816;
Gene ID	3159
mRNA Refseq	NM_002131
Protein Refseq	NP_002122
MIM	600701
UniProt ID	P17096

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Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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