

# Recombinant Human Hexamethylene Bis-Acetamide Inducible 1, His-tagged

**Cat. No.** HEXIM1-5019H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant HEXIM1 protein was expressed in E. coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	HEXIM1 is induced by hexamethylene-bis-acetamide in vascular smooth muscle cells. This protein has been shown to form a protein-RNA complex composed of 7SK small nuclear RNA and positive transcription elongation factor b (P-TEFb), which is composed of cyclin-dependent kinase 9 (CDK9) and cyclin T1, and to inhibit the kinase activity of CDK9, thereby suppressing RNA polymerase II-dependent transcriptional elongation.
<b>Concentration</b>	0.5 mg/ml
<b>Form</b>	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol and 0.1M NaCl.
<b>Purity</b>	> 90% by SDS - PAGE
<b>Sequence</b>	1-359 amino acids: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAFP QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKQGN

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GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ  
 QQRQLGKKKH RRRPSKKKRH WKPYKLTWE EKKKF

**Molecular Mass** 44.8 kDa (396aa), confirmed by MALDI-TOF.

**Applications** SDS-PAGE

**Storage** Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or -70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

## GENE INFORMATION

**Gene Name** [HEXIM1 hexamethylene bis-acetamide inducible 1 \[ Homo sapiens \]](#)

**Official Symbol** HEXIM1

**Synonyms**

hexamethylene bis-acetamide inducible 1; CLP1; EDG1; HIS1; MAQ1; FLJ13562; HEXIM1; protein HEXIM1; HMBA-inducible ; menage a quatre 1; cardiac lineage protein 1; menage a quatre protein 1; estrogen down-regulated gene 1 protein; hexamthylene bis-acetamide inducible 1; hexamethylene bisacetamide-inducible protein; hexamethylene bis-acetamide-inducible protein 1; hexamethylene-bis-acetamide-inducible transcript 1; CLP-1; HMBA-inducible; Estrogen down-regulated gene 1 protein; Cardiac lineage protein 1; Menage a quatre protein 1; Hexamethylene bis-acetamide-inducible protein 1

**Gene ID** [10614](#)

**mRNA Refseq** [NM\\_006460](#)

**Protein Refseq** [NP\\_006451](#)

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<b>MIM</b>	607328
<b>UniProt ID</b>	O94992
<b>Chromosome Location</b>	17q21.31
<b>Function</b>	cyclin-dependent protein kinase inhibitor activity; protein binding; snRNA binding; specific transcriptional repressor activity; transcription repressor activity

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