

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

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

SPECIFICATION

Product Overview	Recombinant HEXIM1 protein was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
Description	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.
Concentration	0.5 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 10% glycerol and 0.1M NaCl.
Purity	> 90% by SDS - PAGE
Sequence	1-359 amino acids: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAFP QLGGRP GPEG EGSLESQPPP LQTQACPESS CLREGEKQGN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

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