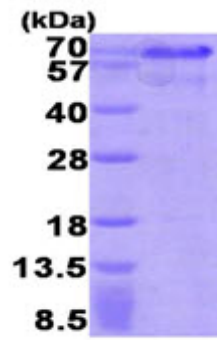


AR09374PU-N**Human HEXIM1 (1-359, His-tag) - Purified**

Alternate names:	CLP1, Cardiac lineage protein 1, EDG1, Estrogen down-regulated gene 1 protein, HIS1, Hexamethylene bis-acetamide-inducible protein 1, MAQ1, Menage a quatre protein 1
Quantity:	0.1 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	O94992
NCBI:	NP_006451
GeneID:	10614
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl
Description:	Recombinant HEXIM1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MRGSHHHHHH</u> GMASMTGGOO MGRDLYDDDD KDRWGSHMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAFP QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKGQN GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ QQRQLGKKKH RRRPSKKKRH WKPYYKLTWE EKKKFDEKQS LRASRIRAEM FAKGQPVAPY NTTQFLMDDH DQEEPDLKTG LYSKRAAAKS DDTSDDDFME EGGEEDGGSD GMGGDGSEFL QRDFSETYER YHTESLQNS KQELIKEYLE LEKCLSRMED ENNRLRLESK RLGDDARVR ELELELDRLR AENLQLLTEN ELHRQQRAP LSKFGD Molecular weight: 44.8 kDa (396 aa)
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Shimizu N., et al. (2005) Proc. Natl. Acad. Sci. U.S.A. 102(24):8555-60

Pictures:



15% SDS-PAGE (3ug)

Recombinant human HEXIM1, 1-359 aa,
His-tagged: 15% SDS-PAGE (3 μ g)

