

Product information



HEXIM1, 1-359 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0475

Full name: Hexamethylene bis-acetamide inducible 1

NCBI Accession No.: NP_006451

Synonyms: CLP1, EDG1, HIS1, MAQ1

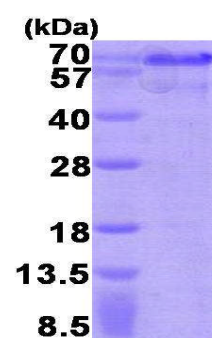
Description: HEXIM1 is induced by hexamethylene-bis-acetamide in vascular smooth muscle cells. This protein has been shown to form a protein-RNA complex composed of 7SK small nuclear RNA and positive transcription elongation factor b (P-TEFb), which is composed of cyclin-dependent kinase 9 (CDK9) and cyclin T1, and to inhibit the kinase activity of CDK9, thereby suppressing RNA polymerase II-dependent transcriptional elongation. Recombinant HEXIM1 protein was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol
0.1M NaCl

Molecular Weight: 44.8 kDa (396aa)

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAPP
QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKGQN GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ
QQRQLGKKKH RRRPSKKKRH WKPYKLTWE EKKKFDEKQS LRASRIRAEM FAKGQPVAPY NTTQFLMDDH DQEEPDLKTG LYSKRAAAKS
DDTSDDDFME EGGEEDGGSD GMGGDGSEFL QRDFSETYER YHTESLQNMS KQELIKEYLE LEKCLSRMED ENNRLRLESK RLGGDDARVR
ELELELDRLR AENLQLLTEN ELHRQKERAP LSKFGD

General references:

Shimizu N., *et al.* (2005) *Proc. Natl. Acad. Sci. U.S.A.* 102(24):8555-60

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Li Q., *et al.* (2007) *Nucleic Acids Res* 35(8):2503-12.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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