

HEXIM1, 1-359aa, Human, His tag, E.coli

Cat.NO.: TP02440

3th Edition

Synonyms: Hexamethylene bis-acetamide inducible 1, 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.

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

Molecular Weight: 44.8 kDa (396aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMAEPFLSEYQHQPQTSNCTGAAAVQEELNPERPP
GAEERVPEEDSRWQSRAFPQLGGRPGPEGEGLSLESQPPPLQTQACPESSCLREGEKGQNGDDSSAGGDFPPPA
EVEPTPEAELLAQPCHDSEASKLGAPAAAGGEEEWGQQQRQLGKKKHRRRPSKKKRHWKPYYKLTWEEKKKFDE
KQSLRASRIRAEMFAKGQPVAPYNTTQFLMDDHDQEEPDLKTGLYSKRAAAKSDDTSDDDFMEEGGEEDGGSDG
MGGDGSEFLQRDFSETYERYHTESLQNMSKQELIKEYLELEKCLSRMEDENNRLRLESKRLGGDDARVRELELEL
DRLRAENLQLLTENELHRQQRAPLSKFGD

Purity: > 95% by HPLC

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

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

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.