

**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  
GAEERVPEEDSRWQSRAFPQLGGRPGPEGEGLSLESQPPPLQTQACPESSCLREGEKGGQNGDDSSAGGDFPPPA  
EVEPTPEAELLAQPCHDSEASKLGAPAAAGGEEEWGQQRQLGKKKHRRRPSKKKRHWKPYKLTWEEKKKFDE  
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.