

## 32-3953: HEXIM1 Recombinant Protein

**Alternative Name** : CLP1,EDG1,HIS1,MAQ1,Protein HEXIM1,Hexamethylene bis-acetamide-inducible protein 1,Estrogen down-regulated gene 1 protein,Cardiac lineage protein 1,Menage a quatre protein 1,FLJ13562.

### Description

Source : Escherichia Coli. HEXIM1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 396 amino acids (1-359a.a.) and having a molecular mass of 44.8 kDa. HEXIM1 is fused to a 37 amino acid His-Tag at N-Terminus and purified by proprietary chromatographic techniques. HEXIM1 expression is induced by hexamethylene-bis-acetamide in vascular smooth muscle cells. HEXIM1 is a transcriptional regulator which acts as a universal RNA polymerase II transcription inhibitor. In cooperation with 7SK snRNA sequesters P-TEFb in a large inactive 7SK snRNP complex inhibits RNA polymerase II phosphorylation following transcriptional elongation. HEXIM1 regulates NF-kappa-B, ESR1, NR3C1 and CIITA-dependent transcriptional activity.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** HEXIM1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 0.1M NaCl and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAERVPEE DSRWQSRAPF QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKGQN GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ QQRQLGKKKH RRRPSKKKRH WKPYYKLTWE EKKKFDEKQS LRASRIRAEM FAKGQPVAPY NTTQFLMDDH DQEEPDLKTG LYSKRAAAKS DDTSDDDFME EGGEEDGGSD GMGGDGSEFL QRDFSETYER YHTESLQNMS KQELIKEYLE LEKCLSRMED ENNRLRLESK RLGDDARVR ELELELDRLR AENLQLLTEN ELHRQKERAP LSKFGD.

