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**Product Data Sheet**


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Product Name: HEXIM1 Human  
 Cat. No.: GP23636  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAFP QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKQON GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ QQRQLGKKKH RRRPSKKKRH WKPYKLTWE EKKKFDEKQS LRASRIRAEM FAKGQPVAPY NTTQFLMDDH DQEEPDLKTG LYSKRAAAKS DDTSDDDFME EGGEEDGGSD GMGGDGSEFL QRDFSETYER YHTESLQNMS KQELIKEYLE LEKCLSRMED ENNRLRLESK RLGDDARVR ELELELDRLR AENLQLLTEN ELHRQQERAP LSKFGD.		
Formulation	HEXIM1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 0.1M NaCl and 10% glycerol.		

**Introduction**

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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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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.

### Background

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.

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