9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

HEXIM1 Human

Hexamethylene Bis-Acetamide Inducible 1 Human Recombinant
RCP1012

Product Overview

Name	HEXIM1 Human

Description

Hexamethylene Bis-Acetamide Inducible 1 Human Recombinant

Accession (Primary)	O94992

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.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile filtered colorless solution.

Formulation

HEXIM1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 0.1M NaCl and 10% glycerol.

Stability

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.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSH MAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAFP QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKGQN GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ QQRQLGKKKH RRRPSKKKRH WKPYYKLTWE

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EKKKFDEKQS LRASRIRAEM FAKGQPVAPY NTTQFLMDDH DQEEPDLKTG LYSKRAAAKS DDTSDDDFME EGGEEDGGSD GMGGDGSEFL QRDFSETYER YHTESLQNMS KQELIKEYLE LEKCLSRMED ENNRLRLESK RLGGDDARVR ELELELDRLR AENLQLLTEN ELHRQQERAP LSKFGD.

Precautions

HEXIM1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O94992)