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HEXIM1 Human

Catalog #:PRPS-796

For research use only.

Description: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.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMAE PFLSEYQHQP QTSNCTGAAA VQEELNPERP PGAEERVPEE DSRWQSRAFP QLGGRPGPEG EGSLESQPPP LQTQACPESS CLREGEKGQN GDDSSAGGDF PPPAEVEPTP EAELLAQPCH DSEASKLGAP AAGGEEEWGQ QQRQLGKKKH RRRPSKKKRH WKPYYKLTWE EKKKFDEKQS LRASRIRAEM FA

Purity: Greater than 90% as determined by SDS-PAGE.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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