
Product Data Sheet

Product Name: HOXC11 Human
 Cat. No.: GP23674
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	800x600 Homeobox protein Hox-C11; Homeobox protein Hox-3H; HOXC11;HOX3H.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFNSVNL GNFCSPSRKE RGADFGERGS CASNLYLPSC TYMPEFSTVSSFLPQAPSR QISYPYSAQV PPVREVSYGL EPSGKWHHRN SYSSCYAAAD ELMHRECLPP STVTEILMKNEGSYGGHHHP SAPHATPAGF YSSVNKNSVL PQAFDRFFDNAYCGGGDPPA EPPCSGKGEA KGEPEAPPAS GLASRAEAGA EAEAEENTNPSSSGSAHSV AKEPAKGAAP NAPRTRKKRC PYSKFQIREL EREFFFNVI NKEKRLQLSR MLNLDRQVKIWFQNRMRKE KLSRDRLOQ FSGNPLL.		
Formulation	800x600 HOXC11 protein solution (0.25mg/ml) contains 20mMTris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Homeobox C11 (HOXC11) is a member of the Abd-B homeobox family. The homeobox genes encode well conserved family of transcription factors that play a vital role in morphogenesis in all multicellular organisms. HOXC11 is one of numerous homeobox HOXC genes placed in a cluster on chromosome 12. HOXC11 attaches to a promoter element of the lactase-phlorizin hydrolase. HOXC11 also takes part in early intestinal development. An alternatively spliced variant encoding a shorter isoform has been defined however, its full-length nature has not been determined.

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.

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

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Background

800x600 HOXC11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 327 amino acids (1-304 a.a.) and having a molecular mass of 36.1kDa. HOXC11 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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