

Recombinant Human HOXC11, His-tagged

Cat. No. HOXC11-15916H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HOXC11 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-304aa
Description	HOXC11 belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. This gene is one of several homeobox HOXC genes located in a cluster on chromosome 12. HOXC11 binds to a promoter element of the lactase-phlorizin hydrolase. It also may play a role in early intestinal development. An alternatively spliced variant encoding a shorter isoform has been described but its full-length nature has not been determined.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	36.1kDa (327aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMFNSVNL GNFCSPSRKE RGADFGERGS CASNLYLPSC TTYMPEFSTV SSFLPQAPSR QISYPYSAQV PPVREVSYGL EPSGKWHHRN SYSSCYAAAD ELMHRECLPP STVTEILMKN EGSYGGHHHP SAPHATPAGF YSSVNKNSVL PQAFDRFFDN AYCGGGDPPA EPPCSGKGEA

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KGEPEAPPAS GLASRAEAGA EAEAEENTN PSSSGSAHSV AKEPAKGAAP
 NAPRTRKKRC PYSKFQIREL EREFFFNVI NKEKRLQLSR MLNLTDRQVK
 IWFQNRMRKE KKLSRDRLQY FSGNPLL

Purity >80% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [HOXC11 homeobox C11 \[Homo sapiens \]](#)

Official Symbol HOXC11

Synonyms HOXC11; homeobox C11; homeo box C11 , HOX3H; homeobox protein Hox-C11; homeo box C11; homeobox protein Hox-3H; HOX3H; MGC4906;

Gene ID [3227](#)

mRNA Refseq [NM_014212](#)

Protein Refseq [NP_055027](#)

MIM [605559](#)

UniProt ID [O43248](#)

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Chromosome Location	12q13.13
Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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