

HOXC11, 1-304aa, Human, His tag, E.coli

Cat.NO.: TP02488

3th Edition

Synonyms:homeobox protein Hox-C11, HOX3H

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. Recombinant human HOXC11 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:36.1kDa (327aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMFNSVNLGNFCSPSRKERGADFGERGSCASNLYLPSTCTYYMPEFSTVSSFL
PQAPSRQISYPYSAQVPPVREVSYLEPSGKWHHRNSYSSCYAADELHRECLPPSTVTEILMKNEGSYGGHHH
PSAPHATPAGFYSSVNKNSVLPQAFDRFFDNAYCGGGDPPAEPCCSGKGEAKGEPEAPPASGLASRAEAGAEAE
AEEENTNPSSSGSAHSVAKEPAKGAAPNAPRTRKKRCPYSKFQIRELEREFFFNVYINKEKRLQLSRMLNLTDRQV
KIWFQNRMRKEKLSRDLQYFSGNPLL

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.