Recombinant human HOXC11 protein

Catalog Number: ATGP2272

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-304aa

UniProt No.
O43248

NCBI Accession No.
NP_055027

Alternative Names
homeobox protein Hox-C11, HOX3H

PRODUCT SPECIFICATION

Molecular Weight
36.1 kDa (327aa)

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Amino acid Sequence

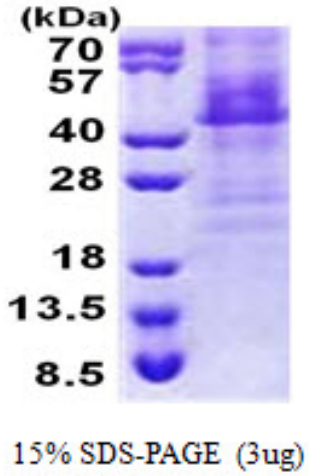
MGSSHHHHHH SSGLVPRGSH MGSMFNSVNL GNFCSPSRKE RGADFGERGS CASNLYLPSC TYYMPEFSTV SSFLPQAPSR QISYPYSAQV PPVREVSYGL EPSGKWHHRN SYSSCYAAAD ELMHRECLPP STVTEILMKN EGSYGGHHHP SAPHATPAGF YSSVNKNSVL PQAFDRFFDN AYCGGGDPPA EPPCSGKGEA KGEPEAPPAS GLASRAEAGA EAEAEEENTN PSSSGSAHSV AKEPAKGAAP NAPRTRKKRC PYSKFQIREL EREFFFNVYI NKEKRLQLSR MLNLTDRQVK IWFQNRRMKE KKLSRDRLQY FSGNPLL

General References

McIlroy,M., et al. (2010) Cancer Res. 70 (4), 1585-1594
Zhang,X., et al. (2007) J. Cell. Mol. Med. 11 (2), 299-306

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.