

Recombinant human PKNOX1 protein

Catalog Number: ATGP2701

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-436

UniProt No.

P55347

NCBI Accession No.

NP_004562

Alternative Names

Hmeobox protein PKNOX1, pkonx1c, PREP1

PRODUCT SPECIFICATION

Molecular Weight

49.7 kDa (456aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 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

Hmeobox protein PKNOX1 is a DNA-binding protein that forms stable complexes with PBX proteins which synergize with AP-1 binding factors to augment transcription of the urokinase gene. Also referred to as uEF3, PRP-1 or p64, PKNOX1 appears to be a general DNA-binding factor involved in modulating the transcriptional activity of AP-1 containing promoters. Recombinant human PKNOX1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

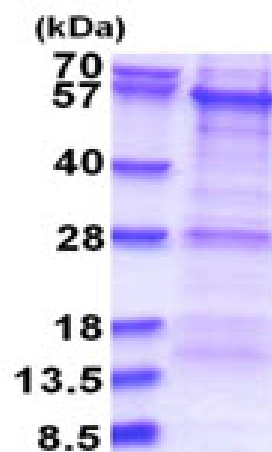
MGSSHHHHHH SSGLVPRGSH MMATQTLSID SYQDGQMQV VTELKTEQDP NCSEPDAEGV SPPPVESQTP
MDVDKQAIYR HPLFPLLALL FEKCEQSTQG SEGTTASAFD VDIENFVRKQ EKEGKPFCE DPETDNLNVK AIQVLRHLL
ELEKVNELCK DFCSRYIACL KTKMNSSETLL SGEPGSPYSP VQSQQIQSAI TGTISPQIV VPASALQQGN VAMATVAGGT
VYQPVTVVTP QGQVVTQTL SPTIRIQNSQ LQLQLNQDLS ILHQDDGSSK NKRGVLPKHA TNVMRSWLFQ HIGHPYPTED
EKKQIAAQTN LTLQVNNWF INARRRILQP MLDSSCSETP KTKKTAQNR PVQRFWPDSI ASGVAQPPS ELTMSEGAVV
TITTPVNMNV DSLQSLSSDG ATLAVQQVMM AGQSEDESVD STEEDAGALA PAHISGLVLE NSDSLQ

General References

Nourse J., et al. (1990) Cell. 60: 535-545.
Monica K P., et al. (1991) Mol Cell Biol. 11: 6149-6157.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)