

**PKNOX1, 1-436, Human, His tag, E.coli**

**Cat.NO.: TP03422**

3th Edition

**Synonyms:**Hmeobox protein PKNOX1, pkonx1c, PREP1

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol

**Molecular Weight:**49.7 kDa (456aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMMATQTLSDSYQDGQQMQVVTELKTEQDPNCSEPDAEGVSPPPVESQTPMDV  
DKQAIYRHPLFPLLALLFEKCEQSTQGSEGTTASFDVDIENFVRKQEKEGKPFCEPETDNLMLVKAIQVLRHLLLE  
LEKVNELCKDFCSRYIACLKTKMNSSETLLSGEPGSPYSPVQSQIQSAITGTISPQGIVVPASALQQGNVAMATVAG  
GTVYQPVTVVTPQGGVVTQTLSPGTIRIQNSQLQLQLNQDLSILHQDDGSSKNKRGVLPKHATNVMRSWLFQHIGH  
PYPTEDEKKQIAAQTNLTLLQVNNWFNARRRILQPMLDSSCSETPKTKKKAQNRPVQRFWPDASIAGVAQPPPS  
ELTMSEGAVVTITTPVNMNVDSLQSLSSDGATLAVQQVMMAGQSEDESVDSTEEDAGALAPAHISGLVLENSDSLQ

**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.