

Recombinant human HHEX protein

Catalog Number: ATGP2239

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-270aa

UniProt No.

Q03014

NCBI Accession No.

NP_002720

Alternative Names

Hematopoietically-expressed homeobox protein HHEX, HEX, HMPH, HOX11L-PEN, PRH, PRHX

PRODUCT SPECIFICATION

Molecular Weight

32.4 kDa (293aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT

Purity

> 85% 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

HHEX is a member of the homeobox family of transcription factors, many of which are involved in developmental processes. Expression in specific hematopoietic lineages suggests that this protein may play a role in hematopoietic differentiation. HHEX has been shown to interact with Promyelocytic leukemia protein. Recombinant human HHEX 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 MGS>MQYHPHG PAAGAVGVPL YAPTPLLQPA HPTPFYIEDI LGRGPAAPT
APTLSPNSS FTSLVSPYRT PVYEPTPIHP AFSHHSAAAL AAAYGPGGFG GPLYPFRPTV NDYTHALLRH DPLGKPLLWS
PFLQRPLHKR KGGQVRFSND QTIELEKKFE TQKYLSPPER KRLAKMLQLS ERQVKTWFQN RRAKWRRLKQ ENPQSNKKEE
LESLDSSCDQ RQDLPSEQNK GASLDSSQCS PSPASQEDLE SEISEDSDQE VDIEGDKSYF NAG

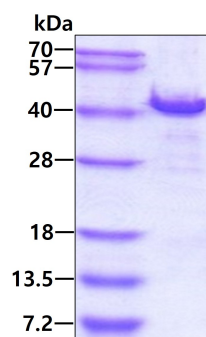
General References

Topcu Z, Mack DL, et al. (1999). *Oncogene*. 18(50):7091-100.

Minami T, Murakami T, et al. (2004). *J Biol Chem*. 279(20):20626-35.

DATA

SDS-PAGE



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