

Recombinant Human HHEX, His-tagged

Cat. No. HHEX-15883H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HHEX protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-270aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 40% glycerol, 1mM DTT.
Molecular Mass	32 kDa (293aa), confirmed by MALDI-TOF(Molecular size on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMQYPHPG PAAGAVGVPL YAPTPLLQPA HPTPFYIEDI LGRGPAAPTP APTLPSPNSS FTSLVSPYRT PVYEPTPIHP AFSHHSAAAL AAAYGPGGFG GPLYPFPRTV NDYTHALLRH DPLGKPLLWS PFLQRPLHKR KGGQVRFSDND QTIELEKKFE TQKYLSPPER KRLAKMLQLS ERQVKTFWFQN RRAKWRRLLKQ ENPQSNKKEE LESLDSSCDQ RQDLPSEQNK

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GASLDSSQCS PSPASQEDLE SEISEDSDQE VDIEGDKSYF NAG

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [HHEX hematopoietically expressed homeobox \[Homo sapiens \]](#)

Official Symbol HHEX

Synonyms HHEX; hematopoietically expressed homeobox; PRHX; hematopoietically-expressed homeobox protein HHEX; HEX; HOX11L PEN; homeobox protein HEX; homeobox protein PRH; homeobox, hematopoietically expressed; proline-rich homeodomain-containing transcription factor; PRH; HMPH; HOX11L-PEN;

Gene ID [3087](#)

mRNA Refseq [NM_002729](#)

Protein Refseq [NP_002720](#)

MIM [604420](#)

UniProt ID [Q03014](#)

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**Chromosome
Location**

10q23.33

Pathway

Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

Function

DNA binding, bending; HMG box domain binding; TBP-class protein binding; chromatin binding; eukaryotic initiation factor 4E binding; protein binding; protein homodimerization activity; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription regulatory region DNA binding; transcription regulatory region DNA binding;

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