

Recombinant Human HHEX protein, Arginine-tagged

Cat. No. HHEX-137H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Hex protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.
Species	Human
Source	E.coli
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	QYPHPGPAAGAVGVPLYAPTPLLQPAHPTPFYIEDILGRGPAAPTAPATLPSPNSSFT SLVSPYRTPVYEPTPIH PAFSHHSAAALAAAYGPGGFGGPLYFPFRTVNDYTHALLR HDPLGKPLLWSPFLQRPLHKRKGQVRFSDNQDIE LEKKFETQKYLSPPERKRLAK MLQLSERQVKTFQNRRAKWRRLKQENPQSNKKEELESLSQDQRQDLPSEQN KGASLDSSQCSPSPASQEDLESEISEDSDQEVDIEGDKSYFNAGLEESGGGGSPGR RRRRRRRRRR
Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for human HSC cell differentiation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific antibody production.
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;PRH; HMPH; HOX11L-PEN;
Gene ID	3087
mRNA Refseq	NM_002729
Protein Refseq	NP_002720
MIM	604420
UniProt ID	Q03014
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

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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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