Recombinant Human ONECUT1

Cat. No. ONECUT1-128H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human HNF6 was expressed in E. coli and refolded to soluble form.
Species	Human
Source	E.coli
Description	HNF6 is a member of the phylogenetically unrelated family of hepatocyte nuclear factors (HNFs) that regulate transcription of various genes, many of which are liver-specific. The HNF6 protein binds to promoters as a monomer, and contains a homeobox domain and a CUT DNA-binding domain. During embryonic development, HNF6 expression plays a key role in hepatic bilary tree development, and is used as a marker for hepatic lineage cells.
Form	201 g/ml (determined by Bradford assay) in 500 mM L-arginine, 300 mM guanidine-HCl, 50 mM HEPES, 5 mM cystamine, 5 mM cysteamine, 5 mM CaCl2, 3 mM DTT, pH 7.5
Molecular Mass	465 residues; 51.0 kDa
Purity	>90% by SDS-PAGE
Storage	Store at -80 °C. Avoid multiple freeze-thaws.

GENE INFORMATION

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Gene Name	ONECUT1 one cut homeobox 1 [Homo sapiens]
Official Symbol	ONECUT1
Synonyms	ONECUT1; one cut homeobox 1; HNF6, HNF6A, one cut domain, family member 1; hepatocyte nuclear factor 6; HNF 6; one cut domain family member 1; one cut domain, family member 1; hepatocyte nuclear factor 6, alpha; HNF6; HNF-6; HNF6A;
Gene ID	3175
mRNA Refseq	NM_004498
Protein Refseq	NP_004489
MIM	604164
UniProt ID	Q9UBC0
Chromosome Location	15q21.3
Pathway	Developmental Biology, organism-specific biosystem; FOXM1 transcription factor network, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in early pancreatic precursor cells, organism-specific biosystem; Regulation of gene expression in late stage (branching morphogenesis) pancreatic bud precursor cells, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; sequence-

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	specific DNA binding; sequence-specific DNA binding transcription factor activity;

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