Recombinant Human ONECUT1 293 Cell Lysate

Cat. No. ONECUT1-3576HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for one cut homeobox 1 (ONECUT1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

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;

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

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