

## Recombinant Human ONECUT2 HEK293T cell lysate

Cat. No. ONECUT2-19HCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ONECUT2 over-expression lysate was derived from Human HEK293T cell line.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the onecut family of transcription factors, which are characterized by a cut domain and an atypical homeodomain. The protein binds to specific DNA sequences and stimulates expression of target genes, including genes involved in melanocyte and hepatocyte differentiation.
<b>Form</b>	The cell lysate is provided in RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4).
<b>Molecular Mass</b>	54.1 kDa
<b>Usage</b>	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
<b>Storage</b>	The lysate is shipped with dry ice. Upon receiving, store the sample at -20centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -

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20centigrade. Avoid repeated freeze-thaw cycles.

Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20centigrade for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

## GENE INFORMATION

**Gene Name** [ONECUT2 one cut homeobox 2 \[ Homo sapiens \]](#)

**Official Symbol** [ONECUT2](#)

**Synonyms** [ONECUT2](#); one cut homeobox 2; one cut domain, family member 2; one cut domain family member 2; OC 2; onecut 2; HNF-6-beta; transcription factor ONECUT-2; hepatocyte nuclear factor 6-beta; ONECUT-2 homeodomain transcription factor; OC2; OC-2; MGC120377; MGC120378;

**Gene ID** [9480](#)

**mRNA Refseq** [NM\\_004852](#)

**Protein Refseq** [NP\\_004843](#)

**MIM** [604894](#)

**UniProt ID** [O95948](#)

**Chromosome Location** 18q21.31

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

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