

Recombinant Human EP300 protein, DDK-tagged

Cat. No. EP300-202H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EP300(Tyr1066-Lys1707) fused with DDK tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	Tyr1066-Lys1707
Description	This gene encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. It functions as histone acetyltransferase that regulates transcription via chromatin remodeling and is important in the processes of cell proliferation and differentiation. It mediates cAMP-gene regulation by binding specifically to phosphorylated CREB protein. This gene has also been identified as a co-activator of HIF1A (hypoxia-inducible factor 1 alpha), and thus plays a role in the stimulation of hypoxia-induced genes such as VEGF. Defects in this gene are a cause of Rubinstein-Taybi syndrome and may also play a role in epithelial cancer.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol. Store at -80 centigrade.
Molecular Mass	75 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of

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products under proper storage and handling conditions.

Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name EP300 E1A binding protein p300 [Homo sapiens]

Official Symbol EP300

Synonyms EP300; E1A binding protein p300; histone acetyltransferase p300; KAT3B; p300; p300 HAT; E1A-binding protein, 300kD; E1A-associated protein p300; RSTS2;

Gene ID 2033

mRNA Refseq NM_001429

Protein Refseq NP_001420

MIM 602700

UniProt ID Q09472

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