

Recombinant Human EP300 Protein, His-tagged

Cat. No. EP300-85H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EP300 Protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
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	Supplied as a 0.2 µm filtered solution in 20mM Tris, 150mM NaCl (pH8.0).
Molecular Mass	~11.4 kDa
AA Sequence	MGSGAHTADPEKRKLIQQQLVLLLHAHKCQRREQANGEVRQC�LPHCRTMKNVLN HMTHCQSGKSCQVAHCASSRQIISHWKNCTRHDCLPLKNAGDKLEHHHHHH
Purity	>90%
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.26 mg/ml

GENE INFORMATION

Gene Name EP300 E1A binding protein p300 [Homo sapiens (human)]

Official Symbol EP300

Synonyms p300; KAT3B; MKHK2; RSTS2

Gene ID 2033

mRNA Refseq NM_001362843

Protein Refseq NP_001349772

MIM 602700

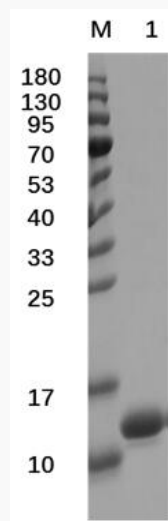
UniProt ID Q9Y6B2

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SDS-PAGE



12% reducing SDS-PAGE analysis of purified EP300 (approximately 8 mg protein loaded).

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