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Product datasheet for TP710007

EP300 (NM_001429) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human E1A binding protein p300 (EP300),residues 1066-1707,with C-terminal DDK tag,expressed in sf9 cells
Species:	Human
Expression Host:	Sf9
Tag:	C-DDK
Predicted MW:	75 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001420
Locus ID:	2033
RefSeq Size:	8765
Cytogenetics:	22q13.2
RefSeq ORF:	7242
Synonyms:	KAT3B; MKHK2; p300; RSTS2
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transcription Factors

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Protein Pathways: Adherens junction, Cell cycle, Huntington's disease, Jak-STAT signaling pathway, Long-term potentiation, Melanogenesis, Notch signaling pathway, Pathways in cancer, Prostate cancer, Renal cell carcinoma, TGF-beta signaling pathway, Wnt signaling pathway

Product images: