

p300 active protein

p300 (catalytic domain) (human), (recombinant)

CATALOG #
AAA77049

HOST
E Coli

PRODUCT SYNONYMS

p300; p300 (catalytic domain) (human); (recombinant); p300 active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Partially purified by single-step affinity chromatography and gel filtration
Form/Format	Liquid. In 50mM TRIS/HCl, pH8.0, containing 0.1mM EDTA, 10% glycerol
Source Note	Catalytic domain (aa 1284-1673) of human p300
Specific Activity	≥250 pmol/min/ug assayed as production of CoA-SH from AcCoA in the presence of a peptide comprising human p53 residues 368-386. CoA-SH is determined colorimetrically by reaction with DTNB (5,5'-Dithiobis(2-nitrobenzoic acid))
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on Dry ice. For long term storage, store at -80°C.

ADDITIONAL INFORMATION

Related Product Information for p300 active protein	Although originally termed histone acetyltransferases (HATs) for their lysine acetylation activity on histone N-terminal tails, p300 and its paralogue, CBP, have been shown to acetylate a variety of non-histone proteins including p53, DNA polymerase beta and nuclear import factors. p300/CBP acetylations play regulatory roles in transcription, DNA repair and replication, the cell cycle, p53 turnover, and nuclear import. In addition to functions which overlap with those of CBP, p300 has a number of unique functions, including a role in the induction of p21Waf1/Cip1 cell cycle inhibitor.
Product Categories/Family for p300 active protein	Cellular Analysis ; DNA Regulation & Transcription ; Stem Cells ; Epigenetics ; Histone Posttranslational Modifications

NCBI AND UNIPROT INFORMATION

NCBI GI #	50345997
NCBI GeneID	2033
NCBI Accession #	NP_001420.2
NCBI GenBank Nucleotide #	NM_001429.3
UniProt Accession #	Q09472; B1AKC2
Molecular Weight	45.1kDa
NCBI Official Full Name	histone acetyltransferase p300
NCBI Official Synonym Full Names	E1A binding protein p300
NCBI Official Symbol	EP300

NCBI Official Synonym Symbols	p300; KAT3B; RSTS2
NCBI Protein Information	histone acetyltransferase p300; p300 HAT; E1A-binding protein, 300kD; E1A-associated protein p300
UniProt Protein Name	Histone acetyltransferase p300
UniProt Gene Name	EP300
UniProt Synonym Gene Names	P300; p300 HAT
UniProt Entry Name	EP300_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/p300/77049>