

Datasheet for ABIN2720219

**p300 Protein (DYKDDDDK Tag)****1** Image**1** Publication[Go to Product page](#)

## Overview

Quantity:	20 µg
Target:	p300 (EP300)
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This p300 protein is labelled with DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

## Product Details

Characteristics:	<ul style="list-style-type: none"><li>• Recombinant human EP300 / P300 (C-term DDK tag) protein expressed in Sf9 cells.</li><li>• Produced with end-sequenced ORF clone</li></ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

## Target Details

Target:	p300 (EP300)
Alternative Name:	Ep300,p300 ( <a href="#">EP300 Products</a> )
Background:	<p>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</p>

## Target Details

	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.
Molecular Weight:	75 kDa
NCBI Accession:	<a href="#">NP_001420</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">Notch Signaling</a> , <a href="#">Interferon-gamma Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Regulation of Cell Size</a>

## Application Details

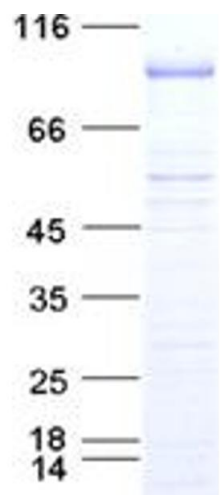
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 µg/mL
Buffer:	50 mM Tris-HCl pH 8.0, 150 mM NaCl, 20 % glycerol. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

## Publications

Product cited in:	Martinez, Abe, Hong, Molyneux, Yarnell, Löhr, Driever, Acosta, Arcos-Burgos, Muenke: "An Ultraconserved Brain-Specific Enhancer Within ADGRL3 (LPHN3) Underpins Attention-Deficit/Hyperactivity Disorder Susceptibility." in: <b>Biological psychiatry</b> , Vol. 80, Issue 12, pp. 943-954, (2016) ( <a href="#">PubMed</a> ).
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Western Blotting

**Image 1.** Validation with Western Blot