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Product Information

P300 (1283-1673), GST-tagged, human recombinant, expressed in *Sf*9 cells

Catalog Number **SRP5110**
Storage Temperature –70 °C

Synonyms: EP300, KAT3B

Product Description

P300 encodes the adenovirus E1A-associated cellular p300 transcriptional co-activator protein.[1] P300 is related by sequence to CBP and like CBP can stimulate transcription through activation of CREB. The P300 activity is specifically inhibited by the adenovirus oncoprotein E1A. P300 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. P300 is a component of DRAF1 (double-stranded RNA-activated factor-1), a positive regulator of interferon-stimulated gene transcription that functions as a direct response to viral infection.[2]

Recombinant human P300 (1283-1673) was expressed by baculovirus in *Sf*9 cells using an N-terminal GST tag. The gene accession number is NM_001429. Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~74 kDa

Purity: 70–95% (SDS-PAGE, see Figure 1)

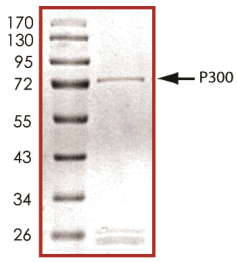
Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

Figure 1.
SDS-PAGE Gel of Typical Lot
70–95% (densitometry)



References

1. Eckner, R. et al., Molecular cloning and functional analysis of the adenovirus E1A-associated 300-kD protein (p300) reveals a protein with properties of a transcriptional adaptor. Genes Dev., **15**, 869-884 (1994).
2. Weaver, B.K. et al., Interferon regulatory factor 3 and CREB-binding protein/p300 are subunits of double-stranded RNA-activated transcription factor DRAF1. Molec. Cell. Biol., **18**, 1359-1368 (1998).

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