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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKACA 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005566-T02

規格 : [100 uL]

[List All](#)

Specification

Transfected Cell Line: 293T

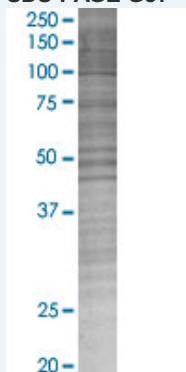
Plasmid: pCMV-PRKACA full-length

Host: Human

Theoretical MW (kDa): 40.6

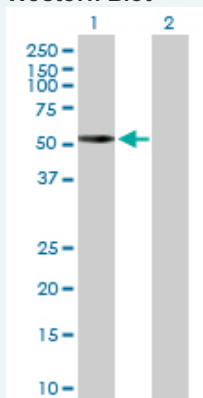
Quality Control Testing: Transient overexpression cell lysate was tested with Anti-PRKACA antibody ([H00005566-D01P](#)) by Western Blots.

SDS-PAGE Gel



PRKACA transfected lysate.

Western Blot



Lane 1: PRKACA transfected lysate (40.60 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer: 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Applications

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID: [5566](#)

GeneBank Accession#: [NM_002730.3](#)

Protein Accession#: [NP_002721.1](#)

Gene Name: PRKACA

Gene Alias: MGC102831,MGC48865,PKACA

Gene Description: protein kinase, cAMP-dependent, catalytic, alpha

Omim ID: [601639](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations: PKA C-alpha,cAMP-dependent protein kinase catalytic subunit alpha,cAMP-dependent protein kinase catalytic subunit alpha, isoform 1,protein kinase A catalytic subunit

Gene Pathway

[Apoptosis](#) [Calcium signaling pathway](#) [Chemokine signaling pathway](#) [Gap junction](#) [GnRH signaling pathway](#) [Hedgehog signaling pathway](#) [Insulin signaling pathway](#) [Long-term potentiation](#) [MAPK signaling pathway](#) [Melanogenesis](#) [Olfactory transduction](#) [Prion diseases](#) [Taste transduction](#) [Vascular smooth muscle contraction](#) [Vibrio cholerae infection](#) [Wnt signaling pathway](#)

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