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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PRKACB (Human) Recombinant Protein (P01)

Catalog Number: H00005567-P01

Regulation Status: For research use only (RUO)

Product Description: Human PRKACB full-length ORF (AAH16285, 1 a.a. - 257 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGNAATAKKGSEVESVKEFLAKAKEDFLKKWENPTQ
NNAGLEDFERKKTGSGFGRVMLVKHKATEQYYAM
KILDQKQVVKLKQIEHTLNEKRILQAVNFPFLVRLLEYAF
KDNSNLYMVMEYVPGGEMFSLRRIGRFSEPHARFY
AAQIVLTFEYLHSLDLIYRDLKPENLLIDHQGYIQVDFG
FAKRVKGRWTLCGTPEYLAPEIILSKGYNKAVDWWA
LGVLIYEMAAGYPPFFADQPIQIYEKIVSGKNF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 54.01

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

Entrez GeneID: 5567

Gene Symbol: PRKACB

Gene Alias: DKFZp781I2452, MGC41879, MGC9320, PKACB

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. Three alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]