

## Recombinant Human CSNK2B Protein, His-tagged

Cat. No. CSNK2B-01H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant protein from the full-length sequence of Homo sapiens casein kinase 2 beta (CSNK2B), transcript variant 1 (NM\_001320), with a His tag was expressed in human cells.

**Species** Human

**Source** Human Cells

**Description** This gene encodes the beta subunit of casein kinase II, a ubiquitous protein kinase which regulates metabolic pathways, signal transduction, transcription, translation, and replication. The enzyme is composed of three subunits, alpha, alpha prime and beta, which form a tetrameric holoenzyme. The alpha and alpha prime subunits are catalytic, while the beta subunit serves regulatory functions. The enzyme localizes to the endoplasmic reticulum and the Golgi apparatus. Two transcript variants encoding different isoforms have been found for this gene.

**Molecular Mass** 24.8 kDa

**Endotoxin** < 0.1 ng/μg of protein (< 1 EU/μg)

**Purity** > 90% by SDS-PAGE gel and Coomassie Blue staining

**Applications** Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies; For research & development use only!

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**Storage Buffer** Purified protein formulated in a sterile solution of PBS buffer, pH 7.2, without any preservatives

## GENE INFORMATION

**Gene Name** CSNK2B casein kinase 2 beta [ Homo sapiens (human) ]

**Official Symbol** CSNK2B

**Synonyms** CSNK2B; casein kinase 2 beta; G5A; CK2B; CK2N; Ckb1; Ckb2; CSK2B; POBINDS; casein kinase II subunit beta; CK II beta; CSNK2B-LY6G5B-1072; CSNK2B-LY6G5B-1103; CSNK2B-LY6G5B-532; CSNK2B-LY6G5B-560; CSNK2B-LY6G5B-562; Casein kinase II beta subunit; G5a, phosvitin; casein kinase 2, beta polypeptide; phosvitin; protein G5a; EC 2.7.11.1

**Gene ID** 1460

**mRNA Refseq** NM\_00132

**Protein Refseq** NP\_001311

**MIM** 115441

**UniProt ID** P67870

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