

Product datasheet

Recombinant Human Casein Kinase 1 delta protein ab40527

1 图像

概述

产品名称	重组人Casein Kinase 1 delta蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli

氨基酸序列

种属	Human
氨基酸	1 to 415

技术指标

Our [Abpromise guarantee](#) covers the use of **ab40527** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Mass Spectrometry
纯度	> 95 % SDS-PAGE.
形式	Liquid

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: 0.002% Sodium Azide Constituents: 0.1% Triton-X-100, 10mM Tris, 10mM DTT, pH 8.0
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常规信息

功能	Casein kinases are operationally defined by their preferential utilization of acidic proteins such
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as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Central component of the circadian clock. May act as a negative regulator of circadian rhythmicity by phosphorylating PER1 and PER2. Retains PER1 in the cytoplasm.

组织特异性

Expressed in all tissues examined, including brain, heart, lung, liver, pancreas, kidney, placenta and skeletal muscle. In blood, highly expressed in hemopoietic cells and mature granulocytes. Also found in monocytes and lymphocytes.

疾病相关

Defects in CSNK1D are a cause of familial advanced sleep-phase syndrome (FASPS) [MIM:604348]. FASPS is characterized by very early sleep onset and offset. Individuals are 'morning larks' with a 4 hours advance of the sleep, temperature and melatonin rhythms.

序列相似性

Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily.

Contains 1 protein kinase domain.

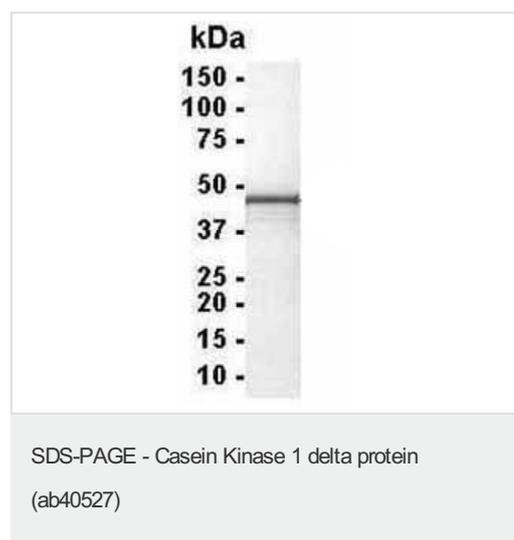
翻译后修饰

Autophosphorylated on serine and threonine residues.

细胞定位

Cytoplasm. Nucleus.

图片



Analysis of Casein Kinase 1 delta
Recombinant Protein. 4-20% SDS gradient
gel. Coomassie blue staining.

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