

Recombinant Human Casein Kinase 1 gamma 2 protein
ab185415

描述	
产品名称	重组人Casein Kinase 1 gamma 2蛋白
纯度	> 95 % SDS-PAGE.
内毒素水平	< 0.100 Eu/μg
表达系统	Escherichia coli
Accession	<u>P78368</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHHSSGLVPRGSHMSKAGGGRSSHGIRSSGTSSGV LMVGPNFR VGKKIGCGNFGELRLGKNLYTNEYVAIKLEPIKSRAPQLHLE YRFYKQLS ATEGVPQVYFPGCGKYNAMVLELLGPSLEDLFDLCDRTFTL KTVLMIAI QLITRMEYVHTKSLIYRDVKPENFLVGRPGTKRQHAIHIIDF GLAKEYID PETKKHIPYREHKSLTGTARYMSINTHLGKEQSRRDDLEALG HMFMYFLR GSLPWQGLKADTLKERYQKIGDTKRATPIEVL CENFPEEMAT YLRVRRRL DFFEKPDYDYLRKLFTDLFDRSGFVFDYEYDWAGKPLPTPIG TVHTDLPS QPQLRDKTQPHSKNQALNSTNGELNADDPTAGHSNAPITAPA EVEVADET KCCCFKRRKRKSLQRHK
预测分子量	48 kDa including tags
氨基酸	18 to 415
标签	His tag N-Terminus
技术指标	

Our **Abpromise guarantee** covers the use of **ab185415** in the following tested applications.

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

应用	HPLC
	SDS-PAGE

形式	Liquid
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制备和贮存

稳定性和存储	Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.32% Tris HCl, 2.9% Sodium chloride, 0.02% DTT, 10% Glycerol (glycerin, glycerine)
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常规信息

功能	Serine/threonine-protein kinase. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling (By similarity). Phosphorylates COL4A3BP/CERT, MTA1 and SMAD3. Involved in brain development and vesicular trafficking and neurotransmitter releasing from small synaptic vesicles. Regulates fast synaptic transmission mediated by glutamate. SMAD3 phosphorylation promotes its ligand-dependent ubiquitination and subsequent proteasome degradation, thus inhibiting SMAD3-mediated TGF-beta responses. Hyperphosphorylation of the serine-repeat motif of COL4A3BP/CERT leads to its inactivation by dissociation from the Golgi complex, thus down-regulating ER-to-Golgi transport of ceramide and sphingomyelin synthesis.
组织特异性	Testis.
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.
细胞定位	Cytoplasm.

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