

Recombinant Human Casein Kinase 2, Alpha 1 Polypeptide, His-tagged

Cat. No. CSNK2A1-1208H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanfull length CSNK2A1 with His tag. No special measures were taken to activatethis kinase.
Species	Human
Source	Insect Cells
Description	Casein kinase IIsubunit alpha is an enzyme that in humans is encoded by the CSNK2A1 gene.Casein kinase II is a serine/threonine protein kinase that phosphorylatesacidic proteins such as casein. The kinase exists as a tetramer and iscomposed of an alpha, an alpha-prime, and two beta subunits. The alphasubunits contain the catalytic activity while the beta subunits undergoautophosphorylation. The protein encoded by this gene represents the alphasubunit. While this gene is found on chromosome 20, a related transcribedpseudogene is found on chromosome 11. Three transcript variants encoding twodifferent proteins have been found for this gene.
Form	Liquid in 50 mMTris, pH 7.5 + 100 mM NaCl + 0.05 mM EDTA + 0.05% Triton X-100 + 2 mM DTT +50% glycerol.
Molecular Weight	47.9 kDa
Concentration	0.37 mg/ml

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Purity	≥ 90% as determined by SDS-PAGE analysis.
Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	CSNK2A1
Full Length	Full L.

GENE INFORMATION

Gene Name	CSNK2A1 casein kinase 2, alpha 1 polypeptide [Homo sapiens]
Synonyms	CSNK2A1; casein kinase 2, alpha 1 polypeptide; CKII; CK2A1; casein kinase II subunit alpha; CK II alpha; OTTHUMP00000029925; OTTHUMP00000029926; protein kinase CK2; CK2 catalytic subunit alpha; casein kinase II alpha 1 subunit; EC 2.7.11
Gene ID	1457
mRNA Refseq	NM_001895
Protein Refseq	NP_001886
MIM	115440
UniProt ID	P68400
Chromosome Location	20p13
Pathway	Adherens junction; Alpha-synuclein signaling; Axon guidance; BCR signaling pathway; Developmental Biology; Herpes simplex infection; L1CAM interactions;

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Measles;PDGFR-alpha signaling pathway; Presenilin action in Notch and Wnt signaling;Ribosome biogenesis in eukaryotes; Signal transduction by L1; Tight junction;Wnt Signaling Pathway NetPath; Wnt signaling pathway

Function

ATP binding;beta-catenin binding; nucleotide binding; protein N-terminus binding; proteinbinding; protein phosphatase regulator activity; protein serine/threoninekinase activity; transferase activity, transferring phosphorus-containinggroups

**PDB rendering
basedon 1jwh.**

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