

Recombinant Human CSNK2A1, GST-tagged, Active

Cat. No. CSNK2A1-283H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human full-length CK2alpha1 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag on both proteins. MW=70 kDa.
Species	Human
Source	Sf9 Cells
Description	CK2α is a serine-threonine protein kinase whose targets include many critical regulators of cellular growth. It is highly expressed in a lymphoproliferative disease of cattle and in many human cancers. Overexpression of the CK2 catalytic subunit in lymphocytes of transgenic mice leads to T cell lymphoma. The highest CK2α1 activity is found in mouse testicles and brain, followed by spleen, liver, lung, kidney and heart.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	CSNK2A1 casein kinase 2, alpha 1 polypeptide [Homo sapiens]
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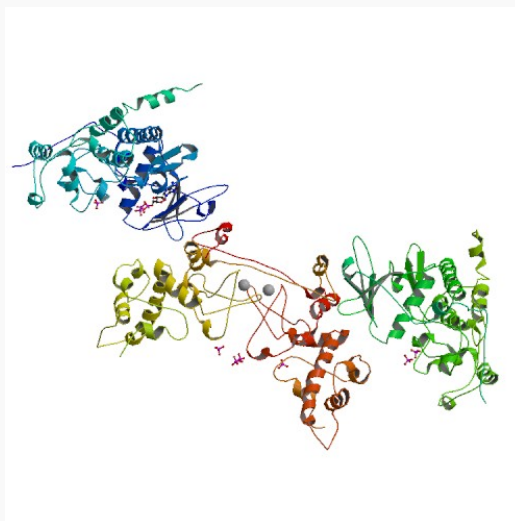
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Synonyms	CSNK2A1; casein kinase 2, alpha 1 polypeptide; CKII; CK2A1; casein kinase II alpha 1 subunit; protein kinase CK2; CK2 catalytic subunit alpha; EC 2.7.11.1; OTTHUMP00000029925; OTTHUMP00000029926
Gene ID	1457
mRNA Refseq	NM_001895
Protein Refseq	NP_001886
UniProt ID	P68400
Chromosome Location	20p13
MIM	115440
Pathway	Adherens junction; Tight junction; Wnt signaling pathway
Function	ATP binding; nucleotide binding; protein N-terminus binding; protein serine/threonine kinase activity; transferase activity

PDB rendering based
on 1jwh.



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