

Recombinant Human CSNK2A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CSNK2A1-4130H **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | CSNK2A1 MS Standard C13 and N15-labeled recombinant protein (NP_001886) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| Species | Human |
| Source | HEK293 |
| Description | Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythm. The kinase exists as a tetramer and is composed of an alpha, an alpha-prime, and two beta subunits. The alpha subunits contain the catalytic activity while the beta subunits undergo autophosphorylation. The protein encoded by this gene represents the alpha subunit. Multiple transcript variants encoding different protein isoforms have been found for this gene. |
| Molecular Mass | 45 kDa |
| AA Sequence | MSGPVPSRARVYTDVNTHRPREYWDYESHVVEWGNQDDYQLVRKLGRGKYSEVF EAINITNNEKVVVKILKPVK KKKIKREIKILENLRGGPNIITLADIVKDPVSRTPALVFEHV NNTDFKQLYQTLTDYDIRFYMYEILKALDYCHSMGIMHRDVKPHNVMIDHEHRKLRLLI DWGLAEFYHPGQEYNVRVASRYFKGPELLVDYQMYDYSLDMWSLGCMLASMIFRK EPPFFHGHNDYDQLVRIAKVLGTEDLYDYIDKYNIELDPRFNDILGRHSRKRWERFVH SENQHLVSPEALDFLDKLLRYDHSRLTAREAMEHPYFYTVVKDQARMGSSSMPG |

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GSTPVSSANMMSSGISSVPTSPPLGPLAGSPVIAAANPLGMPVPAAGAQQTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CSNK2A1 casein kinase 2 alpha 1 [Homo sapiens (human)]

Official Symbol CSNK2A1

Synonyms CSNK2A1; casein kinase 2, alpha 1 polypeptide; casein kinase II subunit alpha; CK II alpha; protein kinase CK2; CK2 catalytic subunit alpha; casein kinase II alpha 1 subunit; CKII; CK2A1;

Gene ID 1457

mRNA Refseq NM_001895

Protein Refseq NP_001886

MIM 115440

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UniProt ID P68400

SDS-PAGE



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