

## CK2 alpha/CSNK2A1 Protein, Human, Recombinant (His)

### General Information

Synonyms: CK2A1;CSNK2A1;CK II alpha;Casein kinase II subunit alpha

Protein Construction: 1-391 aa

Species: Human

Expression Host: E. coli

Accession: P68400

Molecular Weight: 52.1 kDa (Predicted)

AA Sequence: MSGPVPSSRARVYTDVNTHRPREYWDYESHVVEWGNQDDYQLVRKLGKRGKYSEVFEAINITNNEKVVVKILKP  
VKKKKIKREIKILENLRGGPNIITLADIVKDPVSRTPALVFEHVNTDFKQLYQTLTDYDIRFYMYEILKALDYCHS  
MGIMHRDVKPHNVMIDHEHRKLRLLIDWGLAEFYHPGQEYNVRVASRYFKGPPELLVDYQMYDYSLDMWSLG  
CMLASMIFRKEPFFHGHNDYDQLVRIAKVLGTEDLYDYIDKYNIELDPRFNDILGRHSRKRWERFVHSENQHL  
VSPEALDFLDKLLRYDHQSRLTAREAMEHPYFYTVVKDQARMGSSSMPGGSTPVSSANMMSGISSVPTPSPL  
GPLAGSPVIAAANPLGMPVPAAGAQQ

### QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 95% as determined by SDS-PAGE.

Endotoxin: Not tested.

Formulation: Lyophilized from PBS, 6% Trehalose, pH 7.4

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 323 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481