

## **Product datasheet for TP761718**

## OriGene Technologies, Inc.

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## Casein Kinase 1 alpha (CSNK1A1) (NM 001025105) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Human casein kinase 1, alpha 1 (CSNK1A1), transcript variant

1, full length, with N-terminal His tag, expressed in E. coli, 50ug

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

A DNA sequence encoding human full-length CSNK1A1

Tag: N-His

Predicted MW: 41.8 kDa

Concentration:  $>0.05 \mu g/\mu L$  as determined by microplate BCA method

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

**Buffer:** 50 mM Tris-HCl, pH 8.0, 8 M urea

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeg:** NP 001020276

**Locus ID:** 1452

UniProt ID: <u>P48729</u>, <u>Q6PJ06</u>, <u>P48729-2</u>

RefSeq Size: 3149 Cytogenetics: 5q32 RefSeq ORF: 1095

Synonyms: CK1; CK1a; CKla; HEL-S-77p; HLCDGP1; PRO2975





**Summary:** 

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. Phosphorylates CTNNB1 at 'Ser-45'. May phosphorylate PER1 and PER2. May play a role in segregating chromosomes during mitosis (PubMed:11955436, PubMed:1409656, PubMed:18305108). May play a role in keratin cytoskeleton disassembly and thereby, it may regulate epithelial cell migration (PubMed:23902688).[UniProtKB/Swiss-

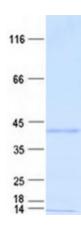
**Protein Families:** 

Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

**Protein Pathways:** 

Hedgehog signaling pathway, Wnt signaling pathway

## **Product images:**



Prot Function]