

CSNK1A1 recombinant protein

CSNK1A1, 1-337aa, Human, His tag, E Coli (Denatured)

CATALOG # AAA48870	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

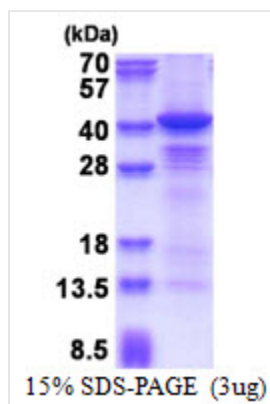
PRODUCT SYNONYMS

CSNK1A1; 1-337aa; Human; His tag; E Coli (Denatured); Casein kinase 1 alpha 1; Casein kinase 1; alpha 1; CK1; HLCDGP1; PRO2975; CSNK1A1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 80% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MASSSGSKAE FIVGGKYKLV RKIGSGSFGD IYLAINITNG EEVAVKLESQ KARHPQLLYE SKLYKILQGG VGIPHIRWYG QEKDYNVLM DLLGPSLEDL FNFCRRFTM KTVLMLADQM ISRIEYVHTK NFIHRDIKPD NFLMGIGRHC NKLFIDFGL AKKYRDNRTR QHIPYREDKN LTGTARYASI NAHLGIEQSR RDDMESLGYV LMYFNRTSLP WQGLKAATKK QKYEKISEKK MSTPVEVLCK GFPAEFAMYL NYCRGLRFEE APDYMRLRQL FRILFRTLNH QYDYTFDWTM LKQKAAQQA SSSGQGQQAQ TPTGKQTDKT KSNMKGK
Sequence Length	337
Applicable Applications for CSNK1A1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for CSNK1A1 recombinant protein	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. CSNK1A1 participates in Wnt signaling and phosphorylates CTNNB1 at 'Ser-45'. It may play a role in segregating chromosomes during mitosis. Recombinant human CSNK1a1 protein, fused to His-tag at N-terminus, was expressed in E Coli.
Product Categories/Family for CSNK1A1 recombinant protein	Stem Cell
References	Dubois T, Kerai P, et al. (2001). J Biol Chem. 276 (22):18757-64.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68303572
NCBI GeneID	1452
NCBI Accession #	NP_001883
NCBI GenBank Nucleotide #	NM_001892.5
UniProt Accession #	P48729; Q4JJA0; Q5U046; Q5U047; Q6FGA2; Q71TU5; Q96HD2; Q9UDK3; D3DQG0; D3DQG1
Molecular Weight	41 kDa (357aa)
NCBI Official Full Name	casein kinase I isoform alpha isoform 2
NCBI Official Synonym Full Names	casein kinase 1 alpha 1
NCBI Official Symbol	CSNK1A1
NCBI Official Synonym Symbols	CK1; CK1a; CKIa; HLCDGP1; PRO2975; HEL-S-77p
NCBI Protein Information	casein kinase I isoform alpha
UniProt Protein Name	Casein kinase I isoform alpha
UniProt Gene Name	CSNK1A1
UniProt Synonym Gene Names	CKI-alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.