

Bioactive

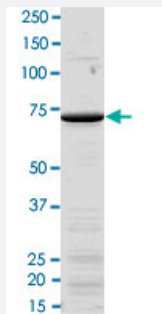
Full-Length

CSNK2A1 (Human) Recombinant Protein

Catalog # P4667

Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human CSNK2A1 (NM_001895, 1 a.a. - 391 a.a.) full-length recombinant protein with GST tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	70.92400000000001
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH-agarose
Concentration	0.480 ug/uL

Activity	5 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0. (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CSNK2A1

Entrez GeneID	1457
Protein Accession#	NM_001895
Gene Name	CSNK2A1
Gene Alias	CK2A1, CKII
Gene Description	casein kinase 2, alpha 1 polypeptide
Omim ID	115440
Gene Ontology	Hyperlink
Gene Summary	Casein kinase II is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. 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. While this gene is found on chromosome 20, a related transcribed pseudogene is found on chromosome 11. Three transcript variants encoding two different proteins have been found for this gene. [provided by RefSeq]
Other Designations	CK2 catalytic subunit alpha OTTHUMP00000029925 OTTHUMP00000029926 casein kinase II alpha 1 subunit casein kinase II alpha subunit protein kinase CK2

Pathway

- [Adherens junction](#)
- [Tight junction](#)
- [Wnt signaling pathway](#)

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
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- [Genetic Predisposition to Disease](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
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