

Recombinant Human Casein kinase I isoform alpha(CSNK1A1)

Catalog No: #AP70199

Package Size: #AP70199-1 20ug #AP70199-2 100ug #AP70199-3 1mg

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Description

Product Name	Recombinant Human Casein kinase I isoform alpha(CSNK1A1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-337aaSequence Info:Full Length
Other Names	CK1
Accession No.	P48729
Calculated MW	42.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ASSSGSKAEFIVGGKYKLVRKIGSGSFGDIYLAINITNGEEVAVKLESQKARHPQLLYESKLYKILQGGVGIPHIR WYGQEKDYNVLVMDLLGPSLEDLFNFCSSRRFTMKTVLMADQMISRIEYVHTKNFIHRDIKPDNFMGIGRHC NKLFLIDFGLAKKYRDNRTQRHIPYREDKNLTGTARYASINAHLGIEQSRRDDMESLGYVLMYFNRTSLPWQG LKAATKKQKYEKISEKKMSTPVEVLCKGFPAEFAMLYNCRGLRFEEAPDYMRLRQLFRILFRTLNHQYDYTF DWTMLKQKAAQQAASSSGGQQAQPTGKQTDKTKSNMKGF
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

Cloning and chromosomal localization of the gene coding for human protein kinase CK1.Tapia C., Featherstone T., Gomez C., Taillon-Miller P., Allende C.C., Allende J.E.FEBS Lett. 349:307-312(1994)Research Topic:Cell Cycle

Note: This product is for in vitro research use only and is not intended for use in humans or animals.