

Product Name: Recombinant Human CSNK1G2 (N-6His)
Catalog #: PEH0235

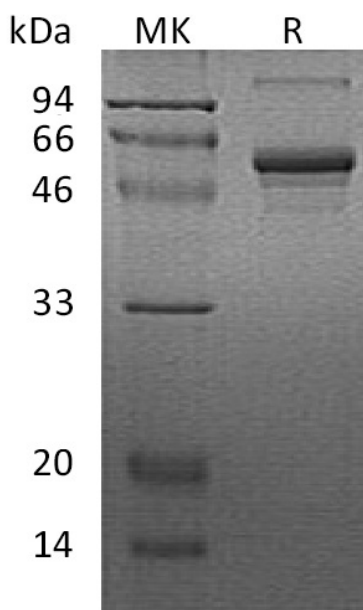


Summary

Name	Casein kinase I isoform gamma-2/CSNK1G2
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Casein kinase I Isoform Gamma-2 is produced by our E.coli expression system and the target gene encoding Met1-Lys415 is expressed with a 6His tag at the N-terminus.
Accession #	P78368
Host	E.coli
Species	Human
Predicted Molecular Mass	47.6 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, 1mM DTT, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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Alternative Names

Casein kinase I isoform gamma-2; CK1G2; CSNK1G2

Background

CSNK1G2 is a cytoplasmic protein which contains one protein kinase domain. It is a member of the CK1 Ser/Thr protein kinase family of the large casein kinase I (CKI) subfamily. CSNK1G2 participates in Wnt signaling, involves in brain development and vesicular trafficking and neurotransmitter releasing from small synaptic vesicles. It regulates fast synaptic transmission mediated by glutamate. SMAD3 phosphorylation promotes its ligand-dependent ubiquitination and subsequent proteasome degradation, thus inhibiting SMAD3-mediated TGF-beta responses.

Note

For Research Use Only , Not for Diagnostic Use.