

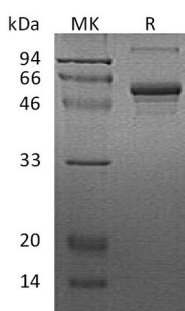
**Product Name: Recombinant Human CSNK1G2 (N-6His)**  
**Catalog #: PEH0235**



## Summary

<b>Name</b>	Casein kinase I isoform gamma-2/CSNK1G2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	P78368
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	47.6 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, 1mM DTT, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	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.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Casein kinase I isoform gamma-2; CK1G2; CSNK1G2
<b>Background</b>	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)

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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.