

# Product Datasheet

## Recombinant Human CaM Kinase I GST (N-Term) Protein H00008536-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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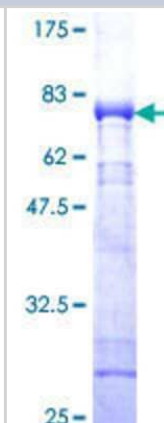
**H00008536-P01-10ug****Recombinant Human CaM Kinase I GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	66.33 kDa
<b>Product Description</b>	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-370 of Human CAMK1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MLGAVEGPRWKQAEDIRDIYDFRDVLGTGAFSEVILAEDKRTQKLVAIKCIAKEA  LEGKEGSMENEIAVLHKIKHPNIVALDDIYESGGHLYLIMQLVSGGELFDRIVEK  GFYTERDASRLIFQVLDAVKYLHDLGIVHRDLKPENLLYSLDEDSKIMISDFGL  SKMEDPGSVLSTACGTPGYVAPEVLAQKPYSKAVDCWSIGVIAYILLCGYPPFY  DENDAKLFEQILKAEYEFDSPYWDDISDSAKDFIRHLMEKDPEKRFTCEQALQH  PWIAGDTALDKNIHQSVSEQIKKNFAKSKWKQAFNATAVVRHMRKLQLGTSQE  GQGQTASHGELLTPVAGGPAAGCCCRDCCVEPGTELSPTLPHQL</p>
<b>Gene ID</b>	8536
<b>Gene Symbol</b>	CAMK1
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Protein Array, Immunoaffinity Purification, Kinase Assay
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Protein Array, Immunoaffinity Purification, Kinase Assay



## Images

12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Mallampalli RK, Kaercher L, Snively C et al. Fbxl12 triggers G1 arrest by mediating degradation of calmodulin kinase I. *Cell Signal*. 2013-05-23 [PMID: 23707388]

Watanabe S, Horie T, Nagao K et al. Cardiac-Specific Inhibition of Kinase Activity in Calcium/Calmodulin-Dependent Protein Kinase Kinase- $\beta$  Leads to Accelerated Left Ventricular Remodeling and Heart Failure after Transverse Aortic Constriction in Mice. *PLoS One*. 2014-09-25 [PMID: 25255457]



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### **Products Related to H00008536-P01-10ug**

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NBP2-38647PEP	CaM Kinase I Recombinant Protein Antigen
DBD00	BDNF [HRP]
AF7899	CaM Kinase I Antibody
AF467	EphB2 Antibody [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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