

Product Datasheet

Recombinant Human CaM Kinase II gamma GST (N-Term) Protein H00000818-P01-2ug

Unit Size: 2 ug

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

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H00000818-P01-2ug**Recombinant Human CaM Kinase II gamma GST (N-Term) Protein**

Product Information	
Unit Size	2 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	83.6 kDa

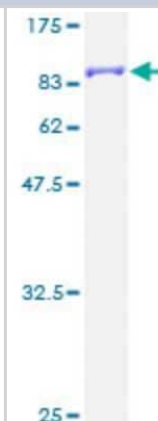
Product Description	
Description	A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-527 of Human CAMK2G Source: <i>Wheat Germ (in vitro)</i> Amino Acid Sequence: MATTATCTRFTDDYQLFEELGKGAFSGVRRVCVKKTPQTQEYAAKIINTKKLSARD HOKLEREARICRLKHPNIVRLHDSISEEGFHYLVFDLVTGGELFEDIVAREYYS EADASHCIHQILES VNHIHQHDIVHRDLKPENLLLASKCKGA AVKLADFGLAIEV QGEQQAWFGFAGTPGYLSPEVLRKDPYGKPVDIWACGVILYILLVGYPFWDDE DQHKLYQQIKAGAYDFPSPEWDTVTPEAKNLINQMLTINPAKRITADQALKHPW VCQRSTVASMMHRQETVECLRKFNARRKLKGAILTTMLVSRNFSVGRQSSAP ASPAASAAGLAGQA AKSLLNKKSDGGVKKRKSSSSSVHLMEPQTTVVHNATDGI KGSTESCNTTTTEDEDLKVRKQEIIKITEQLIEAINNGDFEAYTKICDPGLTSFEPE ALGNLVEGMDFHKFYFENLLSKNSKPIHTTILNPHVHVIGEDAACIAYIRLTQYID GQGRPRTSQSEETRVWHRRDGKWLNVHYHCSGAPAAPLQ
Gene ID	818
Gene Symbol	CAMK2G
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	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.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, ELISA, Protein Array, SDS-Page, Immunoaffinity Purification, Kinase Assay
Recommended Dilutions	Western Blot, ELISA, SDS-Page, Protein Array, Immunoaffinity Purification, Kinase Assay

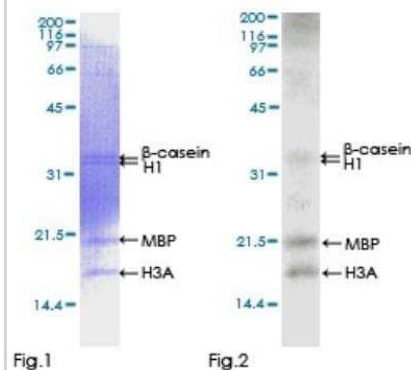


Images

SDS-Page: Recombinant Human CaM Kinase II gamma Protein [H00000818-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Kinase Assay: Recombinant Human CaM Kinase II gamma Protein [H00000818-P01]



Publications

Zizak M, Chen T, Bartonicek D et al. Calmodulin Kinase II Constitutively Binds, Phosphorylates, and Inhibits Brush Border Na⁺/H⁺ Exchanger 3 (NHE3) by a NHERF2 Protein-dependent Process. *J Biol Chem*;287(16):13442-56. 2012 -04-13 [PMID: 22371496]



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