

## Recombinant Human CAMKK2 cell lysate

Cat. No. CAMKK2-275HCL Lot. No. (See product label)

### SPECIFICATION

|                       |  |
|-----------------------|--|
| <b>Species</b>        | Human  |
| <b>Description</b>    | <p>The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases.</p> |
| <b>Size</b>           | 100 ul   |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)  |
| <b>Applications</b>   | Western Blot;  |

### GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | CAMKK2 calcium/calmodulin-dependent protein kinase kinase 2, beta [ Homo sapiens ] |
| <b>Official Symbol</b> | CAMKK2   |

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|                            |  |
|----------------------------|--|
| <b>Synonyms</b>            | CAMKK2; calcium/calmodulin-dependent protein kinase kinase 2, beta; calcium/calmodulin-dependent protein kinase kinase 2; CAMKK; CAMKKB; KIAA0787; MGC15254; caM-KK 2; caM-KK beta; CAMKK beta protein; caM-kinase kinase 2; caM-kinase kinase beta; calcium/calmodulin-dependent protein kinase beta; |
| <b>Gene ID</b>             | 10645  |
| <b>mRNA Refseq</b>         | NM_006549  |
| <b>Protein Refseq</b>      | NP_006540  |
| <b>UniProt ID</b>          | Q96RR4   |
| <b>Chromosome Location</b> | 12q24.2  |
| <b>Pathway</b>             | Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;  |
| <b>Function</b>            | ATP binding; calcium ion binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding; protein tyrosine kinase activity;  |

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