# Recombinant Full Length Human CAMK4 Protein, GST-tagged

**Cat. No.** CAMK4-2787HF **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human CAMK4 full-length ORF (AAH25687.1, 1 a.a. - 473 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | In Vitro Cell Free System |
| **ProteinLength** | 473 amino acids |
| **Description** | The product of this gene belongs to the serine/threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This enzyme is a multifunctional serine/threonine protein kinase with limited tissue distribution, that has been implicated in transcriptional regulation in lymphocytes, neurons and male germ cells. [provided by RefSeq, Jul 2008] |
| **Molecular Mass** | 77.66 kDa |
| **AA Sequence** | MLKVTVPSCSASSCSSVTASAAPGTASLVPDYWIDGSNRDALSDFFEVESELGRGA TSIVYRCKQKGTQKPYALKVLKKTVDKKIVRTEIGVLLRLSHPNIIKLKEIFETPTEISLV LELVTGGELFDRIVEKGYYSERDAADAVKQILEAVAYLHENGIVHRDLKPENLLYATP APDAPLKIADFGLSKIVEHQVLMKTVCGTPGYCAPEILRGCAYGPEVDMWSVGIITYI LLCGFEPFYDERGDQFMFRRILNCEYYFISPWWDEVSLNAKDLVRKLIVLDPKKRLT TFQALQHPWVTGKAANFVHMDTAQKKLQEFNARRKLKAAVKAVVASSRLGSASSS HGSIQESHKASRDPSPIQDGNEDMKAIPEGEKIQGDGAQAAVKGAQAELMKVQALE KVKGADINAEEAPKMVPKAVEDGIKVADLELEEGLAEEKLKTVEEAAAPREGQGSSA |

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| | VGFEVPQQDVILPEY |
| **Applications** | Kinase Assay<br>Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | CAMK4 calcium/calmodulin-dependent protein kinase IV [ Homo sapiens ] |
| **Official Symbol** | CAMK4 |
| **Synonyms** | CAMK4; calcium/calmodulin-dependent protein kinase IV; calcium/calmodulin-dependent protein kinase type IV; brain Ca++ calmodulin dependent protein kinase type IV; calcium/calmodulin dependent protein kinase type IV catalytic chain; CAM kinase IV; CAM kinase GR; CaMK GR; caM kinase-GR; CAM kinase- GR; brain Ca++-calmodulin-dependent protein kinase type IV; brain Ca(2+)-calmodulin-dependent protein kinase type IV; calcium/calmodulin-dependent protein kinase type IV catalytic chain; IV; caMK; CaMK IV; CaMK-GR; MGC36771; |
| **Gene ID** | 814 |
| **mRNA Refseq** | NM_001744 |

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| **Protein Refseq** | NP_001735 |
| **MIM** | 114080 |
| **UniProt ID** | Q16566 |

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