

Product datasheet for **AR50204PU-N**

CAMK4 (1-473, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	CAMK4 (1-473, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSFMLKVTV PSCSASSCSS VTASAAPGTA SLVPDYWIDG SNRDALSDFE EVESELGRGA TSIVYRCKQK GTQKPYALKV LKKTVDKKIV RTEIGVLLRL SHPNIIKLKE IFETPTEISL VLELVTGGEL FDRIVEKGYI SERDAADAVK QILEAVAYLH ENGIVHRDLK PENLLYATPA PDAPLKIADF GLSKIVEHQV LMKTVCCTPG YCAPEILRGC AYGPEVDMWS VGIIITYILLC GFEPFYDERG DQFMFRRILN CEYFISPWW DEVSLNAKDL VRKLVLDPK KRLTTFQALQ HPWVTGKAAN FVHMDTAQKK LQEFNARRKL KAAVKAVVAS SRLGSASSSH GSIQESHKAS RDPSPIQDGN EDMKAIPEGE KIQGDGAQAA VKGAQAELMK VQALEKVKGA DINAEAPKM VPKAVEDGIK VADLELEEGL AEEKLKTVEE AAPREGQGS SAVGFEVPQQ DVILPEY
Tag:	His-tag
Predicted MW:	54.5 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CAMK4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001310303
Locus ID:	814
UniProt ID:	Q16566



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Cytogenetics: 5q22.1

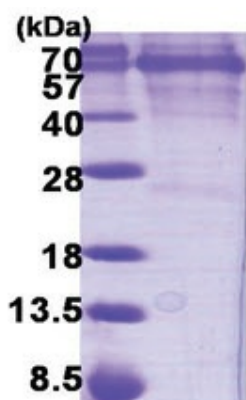
Synonyms: caMK; CaMK-GR; CaMK IV; CaMKIV

Summary: 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]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Calcium signaling pathway, Long-term potentiation, Neurotrophin signaling pathway

Product images:



12% SDS-PAGE (3ug)