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Recombinant Human CAMK2A / CAMKA Protein (GST tag)

产品货号: TP08424

第三版

别名:CAMKA

**描述:**Ca<sup>2+</sup>/calmodulin-dependent protein kinase2A (CAMK2A) belongs to the serine/threonine protein kinase family and, together with other 28 different isoforms, belongs to the Ca<sup>2+</sup>/ calmodulin-dependent protein kinase subfamily. CaM kinase is thought to be an important mediator of learning and memory and is also necessary for Ca<sup>2+</sup> homeostasis and reuptake in cardiomyocytes chloride transport in epithelia, positive T-cell selection, and CD8 T-cell activation. CAMKIIA is one of the major forms of CAMKII. It has been found to play a critical role in sustaining activation of CAMKII at the postsynaptic density. Studies have found that knockout mice without CAMKIIA demonstrate a low frequency of LTP. Additionally, these mice do not form persistent, stable place cells in the hippocampus.

**配方:**PBS

**分子量:**80.3 kDa

**序列:**Met 1-His 478

**纯度:**> 95% by HPLC

**浓度:**

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.