

## 32-8286: Recombinant Human CaM Kinase ID/CAMK1D (N-GST)

**Gene :** CAMK1D

**Gene ID :** 57118

**Uniprot ID :** Q8IU85

### Description

Source: E. coli.

MW :69.2kD.

Recombinant Human CaM kinase ID is produced by our E.coli expression system and the target gene encoding Met1-Lys385 is expressed with a GST tag at the N-terminus. CAMK1D is a serine-threonine kinase that is a member of the calcium calmodulin-dependent protein kinase family. It contains a protein kinase domain. CAMK1D expressed in polymorphonuclear leukocytes and may be part of the chemokine signal transduction pathway that regulates granulocyte function. It may also be involved in modulation of neuronal apoptosis. It activates CREB-dependent gene transcription, regulates calcium-mediated granulocyte function and respiratory burst and promotes basal dendritic growth of hippocampal neurons.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.

**Amino Acid :** MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKTQSMAIIRYIA  
DKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH  
PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPR  
GSMARENGESSSSWKKQAEDIKKIFEKETLGTGAFSEVVLAEKATGKLFVAVKIPKKALKGKESSIENEI AVL R  
KIKHENIVALEDIYESPNHLYLVMQLVSGGELFDRIVEKGFYTEKDASTLIRQVLDVAVVYLHRMGIVHRDLKPENL  
LYYSQDEESKIMISDFGLSKMEGKGDVMSTACGTPGYVAPEVLAQKPYKAVDCWSIGVIAYILLCGYPPFYDEN  
DSKLFEQILKAEYEFDSPLYWDDISDSAKDFIRNLMKDPNKRYTCEQAARHPWIAGDTALNKNIHESVSAQIRKN  
FAKSKWRQAFNATAVVRHMRKHLGSSLDSSNASVSSLSLASQKDCLAPSTLCSFISSSSGVSGVGAERRPR  
PTTVTAVHSGSK

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.