Recombinant Human CAMK1D, GST-tagged, Active

Cat. No. CAMK1D-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human CAMK1delta was expressed by baculovirus in*Sf9 insect cells*using a N-terminal GST tag. MW = 68 kDa.
Species	Human
Source	Sf9 Cells
Description	CAMK1δ or Ca2+/calmodulin-dependent kinase I-like kinase (CKLiK) is activated by Ca(2+) and calmodulin and is detected in CD34+-derived neutrophils and eosinophils, as well as in mature peripheral blood granulocytes. CAMK1D exhibits Ca(2+)/CaM-dependent activity that is enhanced in vitro by phosphorylation of its Thr180 by CaM-K kinase (CaM-KK)alpha, consistent with detection of CAMK1D-activating activity in HeLa cells.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	CAMK1D calcium/calmodulin-dependent protein kinase ID [Homo sapiens]

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Synonyms	CAMK1D; calcium/calmodulin-dependent protein kinase ID; CKLiK; CaM-K1; CaMKID; CaM kinase ID; CamKI-like protein kinase; EC 2.7.11.17; CaM kinase I delta; CaM-KI delta; CaMKI-delta; CaMKI delta; OTTHUMP00000019119; OTTHUMP00000019120; OTTHUMP00000045030
Gene ID	57118
mRNA Refseq	NM_020397
Protein Refseq	NP_065130
MIM	607957
UniProt ID	Q8IU85
Chromosome Location	10p13
Function	ATP binding; calcium ion binding; calmodulin binding; calmodulin-dependent protein kinase activity; nucleotide binding; transferase activity

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