

Recombinant Human CAMK1D Protein (GST Tag)

Catalog No. PKSH033740

Note: Centrifuge before opening to ensure complete recovery of vial contents.

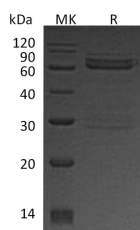
Description

Synonyms	Calcium/calmodulin-dependent protein kinase type 1D;CaM kinase I delta;CaMKI-like protein kinase;CAMK1D;CaMK1 delta;CaM-K1;CKLiK
Species	Human
Expression Host	E.coli
Sequence	Met1-Lys385
Accession	Q8IU85
Calculated Molecular Weight	69.2 kDa
Observed molecular weight	60-70 kDa
Tag	N-GST
Bioactivity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

Background

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.

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