

## Product datasheet for **TP721028L**

### **CAMK1D (NM\_153498) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human calcium/calmodulin-dependent protein kinase ID (CAMK1D), transcript variant 2
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Met1-Lys385
<b>Tag:</b>	N-GST
<b>Predicted MW:</b>	69.2 kDa
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_705718</a>
<b>Locus ID:</b>	57118
<b>UniProt ID:</b>	<a href="#">Q8IU85</a> , <a href="#">Q5SQQ7</a>
<b>RefSeq Size:</b>	2242
<b>Cytogenetics:</b>	10p13
<b>RefSeq ORF:</b>	1155
<b>Synonyms:</b>	CaM-K1; CaMKID; CKLiK



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**Summary:**

This gene is a member of the calcium/calmodulin-dependent protein kinase 1 family, a subfamily of the serine/threonine kinases. The encoded protein is a component of the calcium-regulated calmodulin-dependent protein kinase cascade. It has been associated with multiple processes including regulation of granulocyte function, activation of CREB-dependent gene transcription, aldosterone synthesis, differentiation and activation of neutrophil cells, and apoptosis of erythroleukemia cells. Alternatively spliced transcript variants encoding different isoforms of this gene have been described. [provided by RefSeq, Jan 2015]

**Protein Families:**

Druggable Genome, Protein Kinase