

## Product datasheet for **TP721028M**

### **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   |



[View online »](#)

**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