

Recombinant Human TNNI3K Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TNNI3K-3087H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

TNNI3K MS Standard C13 and N15-labeled recombinant protein (NP_057062) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes a protein that belongs to the MAP kinase kinase kinase (MAPKKK) family of protein kinases. The protein contains ankyrin repeat, protein kinase and serine-rich domains and is thought to play a role in cardiac physiology.

Molecular Mass

92.9 kDa

AA Sequence

MGNYKSRPTQTCTDEWKKK/SESYVITIERLEDDLQIKEKELTELNRNIFGSDEAFSKV
 NLNYRTENGLSLLHLCCICGGKKSHIRTLMLKGLRPSRLTRNGFTALHLAVYKDNAEL
 ITSLHSGADIQQVGYGGLTALHIATIAGHLEAADVLLQHGANVNIQDAVFFTPLHIAA
 YYGHEQVTRLLLKFGADVNVSGEVGDRPLHLASAKGFLNIAKLLMEEGSKADVNAQ
 DNEDHVPLHFCSRFGHHDIVKYLQSDLEVQPHVVNIYGDTPHLACYNGKFEVAKE
 IIQISGTESLTKENIFSETAFHSACTYGKSIDLVKFLLDQNVININHQRDGHGTGLHSAC
 YHGHIRLVQFLLDNGADMNLVACDPSRSSGEKDEQTCLMWAYEKGHDAIVTLLKH
 YKRPQDELPCNEYSQPGDGSYVSPSPLGKIKSMTKEKADILLRAGLPSHFHLQLS
 EIEFHEIIGSGSFGKVYKGRNRNIVAIKRYRANTYCSKSDVDMFCREVSILCQLNHP
 CVIQFVGACLNTPSQFAIVTQYISGGSLFSLLEHQKRILDQLSKLIIAVDVAKGMAYLH

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NLTQPIIHRDLNShNILLYEDGHAVVADFGESRFLQSLDEDNMTKQPGNLRWMAPEV
 FTQCTRYTIKADVFSYALCLWEILTGEIPFAHLKPAAAAADMAYHHIRPPIGYSIPKPIS
 SLLIRGWNACPEGRPEFSEVVMKLEELCNIELMSPASSNSSGSLSPSSSSDCLVNR
 GGPGRSHVAALRSRFELEYALNARSYAALSQSAGQYSSQGLSLEEMKRSLQYTPID
 KYGYVSDPMSSMHFHSRNSSSFEDSSTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [TNNI3K TNNI3 interacting kinase \[Homo sapiens \(human\) \]](#)

Official Symbol [TNNI3K](#)

Synonyms TNNI3K; TNNI3 interacting kinase; CARK; CCDD; serine/threonine-protein kinase TNNI3K; cardiac ankyrin repeat kinase; cardiac troponin I-interacting kinase; EC 2.7.11.1

Gene ID [51086](#)

mRNA Refseq [NM_015978](#)

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Protein Refseq NP_057062

MIM 613932

UniProt ID Q59H18

SDS-PAGE



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