

MYLK3 抗原（重组蛋白）

中文名称：MYLK3 抗原（重组蛋白）

英文名称：MYLK3 Antigen (Recombinant Protein)

别名：MLCK; MLCK2; caMLCK

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to N terminal 300 amino acids of human MYLK3

技术规格：

Full name:	myosin light chain kinase 3
Synonyms:	MLCK; MLCK2; caMLCK
Swissprot:	Q32MK0
Gene Accession:	BC109097
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	MYLK3 (Myosin light chain kinase 3) is a 795 amino acid cardiac-specific protein that contains one protein kinase domain and belongs to the protein kinase superfamily. Like other MYLK kinases, MYLK3 is thought to play a role in smooth muscle contraction, specifically using magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of Myosin light chain proteins. Additionally, MYLK3 may regulate sarcomere assembly in heart tissue, possibly mediating proper heart function.