

Recombinant Human MYLK3

Catalog No: #GP11177



Package Size: #GP11177-1 100ug

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Description

Product Name	Recombinant Human MYLK3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 300 amino acids of human myosin light chain kinase 3
Target Name	myosin light chain kinase 3
Other Names	MLCK; MLCK2; caMLCK
Accession No.	Swissprot:Q32MK0Gene Accession:BC109097
Uniprot	Q32MK0
GeneID	91807;
Storage	-20~-80°C, pH 7.6 PBS

Background

YLK3 (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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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