

Datasheet for ABIN6700210  
**LMTK3 Protein (GST tag)**



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## Overview

Quantity:	20 µg
Target:	LMTK3
Origin:	Mouse
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This LMTK3 protein is labelled with GST tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	LMTK3 recombinant protein GST fusion protein
Purification:	Recombinant mouse LMTK3 (63-484) was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry.
Purity:	>75%

## Target Details

Target:	LMTK3
Alternative Name:	Lmtk3 ( <a href="#">LMTK3 Products</a> )
Background:	Synonyms: AATYK3, MGC90743, Serine/threonine-protein kinase LMTK3, EC 2.7.11.1, Apoptosis-associated tyrosine kinase 3, Lemur tyrosine kinase 3 Background: LMTK3, or Lemur tyrosine kinase 3, belongs to the LMR subfamily of tyr protein

## Target Details

kinases. LMTK3 decreases the activity of protein kinase C (PKC) and also leads to phosphorylation of AKT (Ser473), thereby increasing binding of forkhead box O3 (FOXO3) to the ESR1 promoter. LMTK3 phosphorylates ERα, protecting it from proteasomal degradation in vitro. Knockdown of LMTK3 leads to a reduction of tumor volume in an orthotopic mouse model and abrogates proliferation of ERα+ but not ERα- cells, indicative of its role in ERα activity. These findings reveal LMTK3 as a new therapeutic target for breast cancer (1). LMTK3 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, and Ser/Thr Kinases research.

NCBI Accession: [NM\\_001005511](#)

## Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: LMTK3 Protein is suitable for use in Western Blot. Expect a band approximately ~75 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.1 µg/µL
Buffer:	LMTK3 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months