

Active Recombinant Human LMTK3 protein, His-tagged

Cat. No. LMTK3-543H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LMTK3 protein(Q96Q04)(133-411 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	133-411 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	Mechanism: Lemur tyrosine kinase 3 (LMTK3), a member of the receptor tyrosine kinase (RTK) family, is implicated in breast cancer growth and endocrine resistance. It has been reported that LMTK3 promotes cell invasion, motility, and migration of the MCF-7 breast cancer cell line. To test the bioactivity of LMTK3, MCF-7 cells were seeded into triplicate wells of 96-well plates at a density of 2,000 cells/well in serum-free standard DMEM after adding to various concentrations of LMTK3 protein. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8(CCK-8). Briefly 10 µl of CCK-8 solution was added to each well of the plate then measure the absorbance at 450 nm using a microplate reader after incubating the plate for 1-4 hours at 37 °C. Cell proliferation of MCF-7 cells after incubation with LMTK3 for 72h observed by inverted microscope was shown. Cell proliferation of MCF-7 cells after incubation with LMTK3 for 72h

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observed by inverted microscope was shown.

Molecular Mass 45.9kDa

Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 95%

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name LMTK3 lemur tyrosine kinase 3 [Homo sapiens]

Official Symbol LMTK3

Synonyms LMTK3; lemur tyrosine kinase 3; serine/threonine-protein kinase LMTK3; KIAA1883; LMR3; TYKLM3;

Gene ID 114783

mRNA Refseq NM_001080434

Protein Refseq NP_001073903

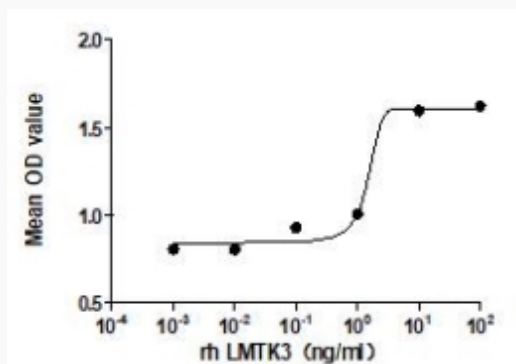
UniProt ID Q96Q04

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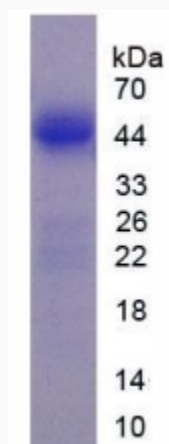
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Activity



SDS-PAGE



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