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Product Datasheet

Human LMTK3 protein, His and SUMO tag (active), Unconjugated GTX00071-PRO

Artikelname	Human LMTK3 protein, His and SUMO tag (active), Unconjugated
Artikelnummer	GTX00071-PRO
Hersteller Artikelnummer	GTX00071-pro
Alternativnummer	GTX00071-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Human
Konjugation	Unconjugated
NCBI	114783
UniProt	Q96Q04
Puffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Formulierung	Lyophilized powder
Sequenz	N-terminal His and SUMO-Tag, Leu133~Leu411

Anwendungsbeschreibung

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 2000 cells/well and allowed to attach overnight, then the medium was replaced with serum-free standard DMEM prior to the addition of various concentrations of LMTK3. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ l of CCK-8 solution was added to each well of the plate, then measure the absorbance at 450nm using a microplate reader after incubating the plate for 1-4 hours at 37C. Cell proliferation of MCF-7 cells after incubation with LMTK3 for 72h observed by inverted microscope. LMTK3 significantly promoted cell proliferation of MCF-7 cells. The ED50 for this effect is approximately 6. 14-50 ng/ml.