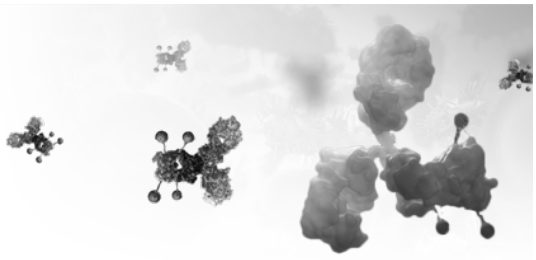

Human NLK peptide (DAG-P1745)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Role in cell fate determination, required for differentiation of bone marrow stromal cells. Acts downstream of MAP3K7 and HIPK2 to negatively regulate the canonical Wnt/beta-catenin signaling pathway and the phosphorylation and destruction of the MYB transcription factor. May suppress a wide range of transcription factors by phosphorylation of the coactivator, CREBBP (By similarity). Involved in TGFbeta-mediated mesoderm induction, acting downstream of MAP3K7/TAK1 to phosphorylate STAT3.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.Contains 1 protein kinase domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	NLK nemo-like kinase [Homo sapiens (human)]
Official Symbol	NLK
Synonyms	NLK; nemo-like kinase; serine/threonine-protein kinase NLK;
Entrez Gene ID	51701
mRNA Refseq	NM_016231.4

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Protein Refseq	NP_057315.3
UniProt ID	Q9UBE8
Chromosome Location	17q11.2
Pathway	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; C-MYB transcription factor network, organism-specific biosystem; Ca2+ pathway, organism-specific biosystem; FoxO signaling pathway, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Noncanonical Wnt signaling pathway, organism-sp
Function	ATP binding; MAP kinase activity; SH2 domain binding; magnesium ion binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transcription factor binding; ubiquitin protein ligase binding;

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