

HPK1, Active

Catalog No: M23-11G

HPK1 or Hematopoietic progenitor kinase 1 is a hematopoietic cell-restricted member of the Ste20 serine/threonine kinase super family. HPK1 is also known as mitogen-activated protein kinase kinase kinase 1 (MAP4K1). HPK1 is a tissue-specific upstream activator of the MEKK/JNK/SAPK signaling pathway and diminishes T cell receptor (TCR) signaling activity and T cell proliferation by phosphorylating the adaptor protein SLP-76. HPK1 is being actively investigated as a candidate for novel immune oncology drug development using small molecules to modulate immune response against certain cancers. SignalChem's recombinant human HPK1 (1-346) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Unique Selling Points



Perfect candidate for
Kinase research



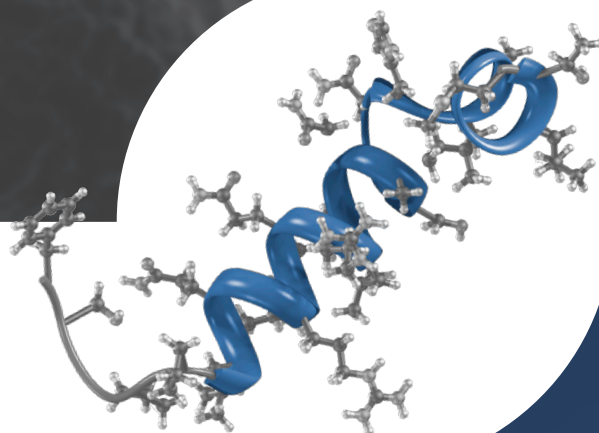
Specific activity determined
using 2 assay systems



Purity Determined by
densitometry



Highly active kinase



Competitors



SIGMA-ALDRICH

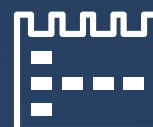
abcam



Applications



Enzyme Linked
immunosorbent assays



Western blot



Recombinant
antibody production



Protein Array



Compound
profiling studies