

MEK1, Active

Catalog No: M02-10G

MEK1 is a dual specificity protein kinase of the mitogen-activated protein kinase (MAPK) family and plays important role in the RAS-RAF-MEK-ERL signaling pathway. MEK1 lies upstream of the MAPK/ERK kinase pathway and hence has implications in many cellular processes such as cell growth, differentiation and transcription. With over 30% of all human cancers with unnatural cellular transformation due to the constitutive activation of the MAPK pathway and the MEK1 activation, this enzyme is a very sought-after pharmacologic target to treat diseases such as cancer. SignalChem's recombinant full-length human MEK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Unique Selling Points



Suitable for
Kinase research



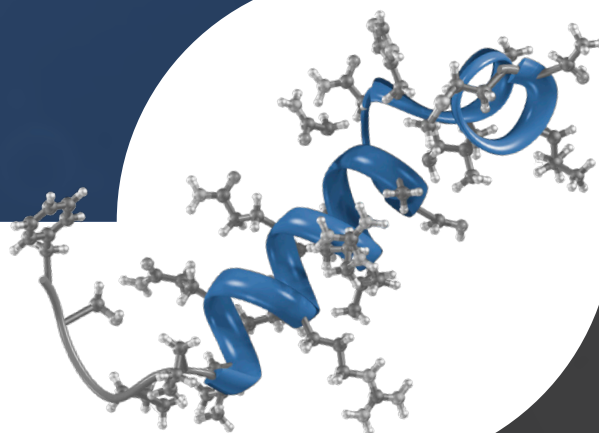
Tested for specific
activity using 2 assays



Average purity
determined to be 90%



Highly active kinase



Competitors



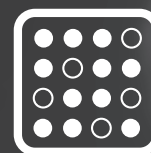
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SIGMA-ALDRICH

REACTION
BIOLOGY

Applications



Enzyme Linked
immunosorbent assays



Western blot



Compound
profiling studies



Recombinant
antibody production



Protein Array