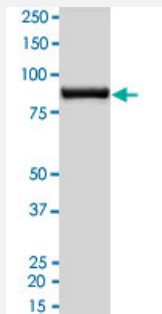


Bioactive

STK4 (Human) Recombinant Protein

Catalog # P4726 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human STK4 (NM_006282.2, 3 a.a. - 487 a.a.) partial recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	86.34
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	GST affinity chromatography
Concentration	0.306 ug/uL

Activity	322 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Hepes, 100 mM NaCl, pH 7.5. (5 mM DTT, 4 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — STK4

Entrez GeneID	6789
Protein Accession#	NM_006282.2
Gene Name	STK4
Gene Alias	DKFZp686A2068, KRS2, MST1, YSK3
Gene Description	serine/threonine kinase 4
Omim ID	604965
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and it's possible that this protein induces the chromatin condensation observed in this process. [provided by RefSeq]
Other Designations	OTTHUMP00000043418 dJ211D12.2 (serine/threonine kinase 4 (MST1, KRS2)) kinase responsive to stress 2 mammalian sterile 20-like 1 yeast Ste20-like

Pathway

- [MAPK signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)