

STK4 recombinant protein

Recombinant Human STK4 protein

CATALOG #
AAA119942

HOST
E Coli

PRODUCT SYNONYMS

STK4; Recombinant Human STK4 protein; Serine/threonine-protein kinase 4; Mammalian STE20-like protein kinase 1; Short name:MST-1; STE20-like kinase MST1; Serine/threonine-protein kinase Krs-2; STK4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized. Lyophilized from PBS pH 7.4, 0.2% NLS, 5% Trehalose, 5% Mannose, 1mM EDTA.
Species	Homo sapiens (Human)
Reconstitution	Reconstitute in sterile water for a stock solution.
Preparation and Storage	Short Term: -20 Long Term: -80 degree C. Use a manual defrost freezer and avoid repeated freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for STK4 recombinant protein	Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Key component of the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration.
Product Categories/Family for STK4 recombinant protein	Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	13124559
NCBI GeneID	6789
UniProt Accession #	Q13043 ; Q15802 ; Q4G156 ; Q5H982 ; Q6PD60 ; Q9BR32 ; Q9NTZ4 ; B2RCR8
Molecular Weight	52,335 Da
NCBI Official Full Name	Serine/threonine-protein kinase 4
NCBI Official Synonym Full Names	serine/threonine kinase 4
NCBI Official Symbol	STK4
NCBI Official Synonym Symbols	KRS2; MST1; YSK3

NCBI Protein Information	serine/threonine-protein kinase 4
UniProt Protein Name	Serine/threonine-protein kinase 4
UniProt Gene Name	STK4
UniProt Synonym Gene Names	KRS2; MST1; MST-1; MST1/N; MST1/C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/stk4-recombinant-protein-e-coli/119942>