

STK19 recombinant protein

STK19, Active

CATALOG # AAA73965	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

STK19; Active; D6S60; D6S60E; G11; HLA-RP1; RP1; STK19 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for STK19 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for STK19 recombinant protein	Recombinant full-length human STK19 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The STK19 gene accession number is NM_004197. STK19 is a member of the serine/threonine kinase family that shows a manganese-dependent protein kinase activity and phosphorylates alpha-casein at ser/thr residues and histone at ser residues. STK19 contains a positively charged putative nuclear localization signal, multiple potential phosphorylation sites, 2 amidation sites, 9 potential N-myristoylation sites, and no N-glycosylation sites. STK19 has been shown to localize predominantly in the nucleus (1). The phosphorylation of STK19 is thought to be involved in transcriptional regulation. STK19 localizes to the major histocompatibility complex (MHC) class III region on chromosome 6 (2).
Product Categories/Family for STK19 recombinant protein	Protein Kinases ; Cardiovascular Disease ; ERK/MAPK Pathway ; Neurobiology ; PKA/PKC Pathway ; Ser/Thr Kinases

References

1. Gomez-Escobar, N. et.al: The G11 gene located in the major histocompatibility complex encodes a novel nuclear serine/threonine protein kinase. J. Biol. Chem. 273: 30954-30960, 1998.
2. Shen, L. et.al: Structure and genetics of the partially duplicated gene RP located immediately upstream of the complement C4A and the C4B genes in the HLA class III region: molecular cloning, exon-intron structure, composite retroposon, and breakpoint gene duplication. J. Biol. Chem. 269: 8466-8476, 1994.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_004197](#)

Molecular Weight

~70kDa

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://stage.aaabiotech.com/stk19-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73965>