

STK36 recombinant protein

STK36, Active

CATALOG # AAA73972	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

STK36; Active; FU; DKFZp434N0223; STK36 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 STK36 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 STK36 recombinant protein	Recombinant human STK36 (1-457) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The STK36 gene accession number is BC026158. STK36 is a member of the serine/threonine kinase family and is similar to a protein which plays a key role in the Hedgehog signaling pathway. STK36 is a positive regulator of the GLI zinc-finger transcription factors and controls the activity of GLI1 and GLI2 by opposing the effect of SUFU (1). STK36 is highly expressed in fetal lung and adult testis (2). STK36 is a target for the treatment of gastrointestinal cancers since the Hedgehog signaling pathway is frequently activated in certain kinds of gastrointestinal cancers. Defects in the STK36 gene may lead to congenital hydrocephalus, possibly due to a functional defect in motile cilia.
Product Categories/Family for STK36 recombinant protein	Protein Kinases ; Cardiovascular Disease ; ERK/MAPK Pathway ; Neurobiology ; PKA/PKC Pathway ; Ser/Thr Kinases
References	- Murone, M. et.al: Gli regulation by the opposing activities of Fused and Suppressor of Fused. Nature Cell Biol. 2: 310-3112, 2000. - Nagase, T. et.al: Prediction of the coding sequences of unidentified human genes. XV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 6: 337-345, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34191803
NCBI GeneID	27148
Molecular Weight	87.0 kDa
NCBI Official Full Name	Homo sapiens serine/threonine kinase 36, fused homolog (Drosophila), mRNA
NCBI Official Synonym Full Names	serine/threonine kinase 36
NCBI Official Symbol	STK36
NCBI Official Synonym Symbols	FU
NCBI Protein Information	serine/threonine-protein kinase 36

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/stk36-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73972>