

Active Recombinant Full Length Human STK10 Protein, GST tagged

Cat. No. STK10-1121H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human LOK was expressed in Sf9 cells using an N-terminal GST tag.
Species	Human
Source	Insect cells
ProteinLength	1-968 aa
Description	This gene encodes a member of the Ste20 family of serine/threonine protein kinases, and is similar to several known polo-like kinase kinases. The protein can associate with and phosphorylate polo-like kinase 1, and overexpression of a kinase-dead version of the protein interferes with normal cell cycle progression. The kinase can also negatively regulate interleukin 2 expression in T-cells via the mitogen activated protein kinase kinase 1 pathway.
Molecular Mass	~138 kDa
Bio-activity	1.0 nmol/min/mg
Purity	>85%
Stability	1 year at -70 centigrade from date of shipment.

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Storage	Store product at -70 centigrade. 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.
Storage Buffer	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Concentration	0.1 µg/µL
Shipping	Dry Ice
Reference	1. Kuramochi S, et al., 1997, J. Biol. Chem. 272 (36): 22679-84. 2. Kuramochi S, et al., 1999, Immunogenetics. 49 (5): 369-75. 3. Walter, SA. et al., J Biol Chem 2003, 278 (20):18221-8.

GENE INFORMATION

Gene Name	STK10 serine/threonine kinase 10 [Homo sapiens (human)]
Official Symbol	STK10
Synonyms	STK10; serine/threonine kinase 10; LOK; PRO2729; serine/threonine-protein kinase 10; lymphocyte-oriented kinase; EC 2.7.11.1
Gene ID	6793
mRNA Refseq	NM_005990
Protein Refseq	NP_005981
MIM	603919

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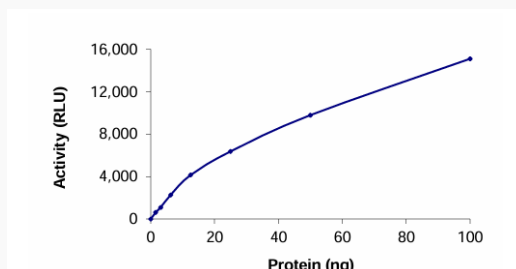
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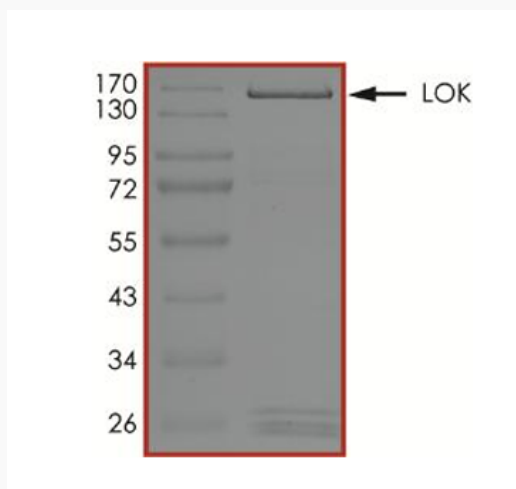
UniProt ID

Q9UIW4

Activity



Purity



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