Full-Length

STK11 (Human) Recombinant Protein

Catalog # P9410 Size 2 x 10 ug

Specification

Product Description	Human STK11 (Q15831, 1 a.a. - 433 a.a.) full recombinant protein with His tag at N-terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMEVVDPQQLGMFTEGELMSVGMDTFIHRIDSTEVIYQPRRK RAKLIGKYLMGDLLGEGSYGKVKEVLDSETLCRRAVKILKKKKLRRIPNGEANVKKEIQLLRRLRHK NVIQLVDVLYNEEKQKMYMVMEYCVCGMQEMLDSVPEKRFPVCQAHGYFCQLIDGLEYLHSQGI VHKDIKPGNLLLTTGGTLKISDLGVAEALHPFAADDTCRTSQGSPAFQPPEIANGLDTFSGFKVDI WSAGVTLYNITTGLYPFEGDNIYKLFENIGKGSYAIPGDCGPPLSDLLKGMLEYEPAKRFSIRQIRQH SWFRKKHPPAEAPVPIPPSPDTKDRWRSMTVVPYLEDLHGADEDEDLFDIEDDIIYTQDFTVPGQ VPEEEASHNGQRRGLPKAVCMNGTEAAQLSTKSRAEGRAPNPARKACSASSKIRRLSACKQQ
Host	Escherichia coli
Theoretical MW (kDa)	51
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

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Gene Info — STK11

Entrez GeneID	6794
Protein Accession#	Q15831
Gene Name	STK11
Gene Alias	LKB1, PJS
Gene Description	serine/threonine kinase 11
Omim ID	175200 273300 602216
Gene Ontology	Hyperlink
Gene Summary	This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq
Other Designations	polarization-related protein LKB1|serine/threonine protein kinase 11

Pathway

- Adipocytokine signaling pathway
- mTOR signaling pathway

Disease

- Adenocarcinoma
- Alzheimer disease
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases

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- Colonic Neoplasms
- Colonic Polyps
- Diabetes Complications
- Diabetes Mellitus
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Hyperandrogenism
- Hyperinsulinism
- Insulin Resistance
- Long QT syndrome
- Lung Neoplasms
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Peutz-Jeghers Syndrome
- Polycystic Ovary Syndrome
- Pulmonary Disease
- Torsades de Pointes
- Urinary Bladder Neoplasms
- Werner syndrome

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