

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

MGSSHHHHHHSSGLVPRGSHMGSMEEVDPQQLGMFTEGELMSVGMDTFIHRIDSTEVIYQPRRK
RAKLIGKYLMGDLLGEGSYGKVKEVLDSETLCRRRAVKILKKKKLRRIPNGEANKKEIQLLRRLRHK
NVIQLVDVLYNEEKQKMYMMEYCVCGMQEMLDSVPEKRFVPCQAHGYFCQLIDGLEYLHSQGI
VHKDIKPGNLLTTGGTLKISDLGVAEALHPFAADDCRTSQGSPAFQPPEIANGLDTFSGFKVDI
WSAGVTLYNITTGLYPFEGDNIYKLFENIGKGSYAIPGDCGPPLSDLLKGMLEYEPAKRFSIRQIRQH
SWFRKKHPPAEAPVPIPPSPDTKDRWRSMTVVPYLEDLHGADEDEDLFDIEDDIYTQDFTVPGQ
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

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](#)

- [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](#)