



# Recombinant Human STK11 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08362

**Protein Name:** Liver Kinase B1 (STK11)

**Aliases:** PJS; LKB1; hLKB1; liver kinase B1; serine/threonine kinase 11; polarization-related protein LKB1; renal carcinoma antigen NY-REN-19; serine/threonine-protein kinase 11; serine/threonine-protein kinase...

**UniProt ID:** Q15831

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q15831/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (1-430aa)

**Molecular Weight:** 64.3kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged

## 2. Amino Acid Sequence (1-430aa)

MEVVDPPQLGMFTEGELMSVGMDFIHRIDSTEVIIYQPRRKRAKLIGKYLMGDLLG  
EGSYGKVKEVLDSETLCRRRAVKILKKKLRIPNGEANVKKEIQLLRRLRHKNVIQLV  
DVLNNEEKQKMYMVMMEYCVCGMQEMLDSVPEKRFPVCQAHGYFCQLIDGLEYLH  
SQGIVHKDIKPGNLLLTTGGTLKISDLGVAEALHPFAADDTCRTSQGSPAFQPPEIAN  
GLDTFSGFKVDIWSAGVTLNITTGLYPFEGDNIYKLFENIGKGSYAIPGDCGPPLSD  
LLKGMLEYEPAKRFSIRQIRQHSWFRKKHPPAEAPVPIPPSPDTKDRWRSMTVVVY  
LEDLHGADEDEDLFDIEDDIYTQDFTVPGQVPEEEASHNGQRRGLPKAVCMNGTE  
AAQLSTKSRAEGRAPNPARKACSSASSKIRRLSAC

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Human STK11 full length of mature protein protein (1-430aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. STK11, also known as PJS or LKB1 or hLKB1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.