

Recombinant Human STK16 Protein Product Manual

1. Product Basic Information

Product No.: REP08363

Protein Name: Protein Kinase Pk12 (STK16)

Aliases: PSK; KRCT; MPSK; TSF1; hPSK; PKL12; protein kinase PKL12; serine/threonine kinase 16; serine/threonine-protein kinase 16; protein kinase expressed in day 12 fetal liver

UniProt ID: O75716

UniProt Link: <https://www.uniprot.org/uniprotkb/O75716/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-305aa)

Molecular Weight: 61.5kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-305aa)

GHALCVCSRGTVIIDNKRYLFIQKLGEGGFSYVDLVEGLHDGHFYALKRILCHEQQD
REEAQREADMHRLFNHPNLRVAYCLRERGAKEAWLLLPFFKRGTLWNEIERLK
DKGNFLTEDQILWLLLGICRGLEAIHAKGYAHRDLKPTNILLGDEGQPVLMDLGSMN
QACIHVEGSRQALTLQDWAAQRCTISYRAPELFSVQSHCVIDERTDVWSLGCVLYA
MMFGEGPYDMVFQKGDVALAVQNQLSIPQSPRHSSALRQLLNSMMTVDPHQRP
HIPLLLSQLEALQPPAPGQHTTQI

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 STK16 full length protein (1-305aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. STK16, also known as PSK or KRCT or MPSK, 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.