

Recombinant human STK16 protein

Catalog Number: ATGP1567

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-305aa

UniProt No.

O75716

NCBI Accession No.

NP_001008910

Alternative Names

Serine/threonine-protein kinase 16, KRCT, MPSK, PKL12, TSF1

PRODUCT SPECIFICATION

Molecular Weight

37.2 kDa (329aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

STK16, also known as serine/threonine-protein kinase 16, is a membrane-associated protein kinase that phosphorylates on serine and threonine residues. STK16 may be involved in secretory vesicle trafficking or intracellular signaling. Also this protein may have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. It able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins. Recombinant human STK16 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

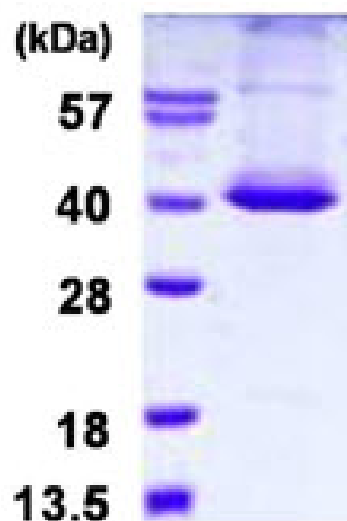
MGSSHHHHHH SSSLVPRGSH MGSHMGHALC VCSRGTVID NKRYLFIQKL GEGGFSYVDL VEGLHDGHFY ALKRILCHEQ
QDREEAQREA DMHRLFNHPN ILRLVAYCLR ERGAKHEAWL LLPFFKRGTL WNEIERLKDK GNFLTEDQIL WLLLGICRGL
EAIHAKGYAH RDLKPTNILL GDEGQPVLM LGSMNQACIH VEGSRQALTL QDWAAQRCTI SYRAPELFSV QSHCVIDERT
DVWSLGCVLY AMMFEGEPYD MVFQKGDSVA LAVQNQLSIP QSPRHSSALR QLLNSMMTVD PHQRPHIPLL LSQLEALQPP
APGQHTTQI

General References

Berson A.E., et al. (1999) *Biochem. Biophys. Res. Commun.* 259:533-538
Eswaran J., et al. (2009) *Structure.* 16:115-124

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)