

## Product datasheet for **AR50391PU-N**

### STK16 (1-305, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	STK16 (1-305, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMGHALC VCSRGTVID NKRYLFIQKL GEGGFSYVDL VEGLHDGFY ALKRILCHEQ QDREEAQREA DMHRLFNHPN IRLVAYCLR ERGAKHEAWL LLPFFKRGTL WNEIERLKDK GNFLTEDQIL WLLLGICRGL EAIHAKGYAH RDLKPTNILL GDEGQPVLM D LGSMNQACIH VEGSRQALTL QDWAAQRCTI SYRAPELFSV QSHCVIDERT DVWSLGCVLY AMMFGEQPYD MVFQKGDVA LAVQNQLSIP QSPRHSSALR QLLNSMMTVD PHQRPHIPLL LSQLEALQPP APGQHTTQI
Tag:	His-tag
Predicted MW:	37.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human STK16 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Locus ID:	8576
Cytogenetics:	2q35
Synonyms:	FLJ39635; KRCT; KRCT, MPSK, TSF1, PKL12, FLJ39635; MPSK; PKL12; protein kinase expressed in day 12 fetal liver; serine/threonine kinase 16; TSF1



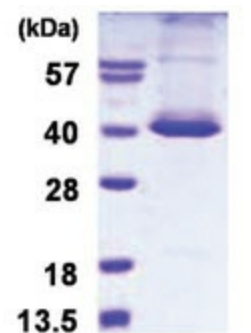
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**Summary:**

Membrane-associated protein kinase that phosphorylates on serine and threonine residues. In vitro substrates include DRG1, ENO1 and EIF4EBP1. Also autophosphorylates. May be involved in secretory vesicle trafficking or intracellular signaling. May have a role in regulating stromal-epithelial interactions that occur during ductal morphogenesis in the mammary gland. May be involved in TGF-beta signaling. Able to autophosphorylate on Tyr residue; it is however unclear whether it has tyrosine-protein kinase toward other proteins. [UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome, Protein Kinase

**Product images:**

15% SDS-PAGE (3ug)