

Product datasheet for TP319087L

STK16 (NM_001008910) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human serine/threonine kinase 16 (STK16), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219087 protein sequence Red=Cloning site Green=Tags(s)
	MGHALCVCSRGTVIDNKRYLFIQKLGEGGFSYVDLVEGLHDGHFYALKRILCHEQQDREEAQREADMHR LFNHPNILRLVAYCLRERGAKEAWLLLPFFKRGTWNEIERLKDKGNFLTEDQILWLLLGICRGLEAIH AKGYAHRDLKPTNILLGDEGQPVLMDLGSMNQACIHVEGSRQALTLQDWAAQRCTISYRAPELFSVQSHC VIDERTDVWVSLGCVLYAMMFGEGPYDMVFQKGDVALAVQNQLSIPQSPRHSSALWQLLNSMMTVDPHQ RPHIPLLLSQLEALQPPAPGQHTTQI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	34.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001008910</u>
Locus ID:	8576



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UniProt ID: [O75716](#)

RefSeq Size: 2903

Cytogenetics: 2q35

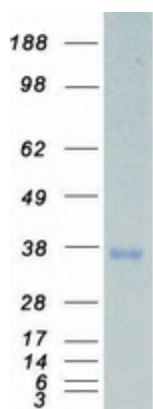
RefSeq ORF: 915

Synonyms: hPSK; KRCT; MPSK; PKL12; PSK; TSF1

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:



Coomassie blue staining of purified STK16 protein (Cat# [TP319087]). The protein was produced from HEK293T cells transfected with STK16 cDNA clone (Cat# [RC219087]) using MegaTran 2.0 (Cat# [TT210002]).