

Product datasheet for PH319087

STK16 (NM_001008910) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STK16 MS Standard C13 and N15-labeled recombinant protein (NP_001008910)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219087
Predicted MW:	34.7 kDa
Protein Sequence:	>RC219087 protein sequence Red=Cloning site Green=Tags(s) MGHALCVCSRGTVIDNKRYLFIQKLGEGFSYVDLVEGLHDGHFYALKRILCHEQQDREEAQREADMHR LFNHPNILLRLVAYCLRERGAKEAWLLLPFFKRGTWNEIERLKDKGNFLTEDQILWLLLGICRGLEAIH AKGYAHRDLKPTNILLGDEGQPVLMDLGSMNQACIHVEGSRQALTLQDWAQRCTISYRAPELFSVQSHC VIDERTDVWSLGCVL YAMMFGEGPYDMVFQKGDVALAVQNQLSIPQSPRHSSALWQLLSMMTVDPHQ R PHIPLLLSQLEALQPPAPGHTTQI TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001008910
RefSeq Size:	2903
RefSeq ORF:	915
Synonyms:	hPSK; KRCT; MPSK; PKL12; PSK; TSF1
Locus ID:	8576



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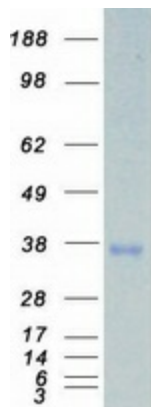
UniProt ID: [O75716](#)

Cytogenetics: 2q35

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]).