

## Product datasheet for PH300566

### STK16 (NM\_003691) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	STK16 MS Standard C13 and N15-labeled recombinant protein (NP_003682)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200566
Predicted MW:	34.7 kDa
Protein Sequence:	>RC200566 protein sequence Red=Cloning site Green=Tags(s)  MGHALCVCSRGTVIDNKRYLFIQKLGEGFSYVDLVEGLHDGHFYALKRILCHEQQDREEAQREADMHR LFNHPNILLRLVAYCLRERGAKEAWLLLPFFKRGTWNEIERLKDKGNFLTEDQILWLLGICRGLEAIH AKGYAHRDLKPTNILLGDEGQPVMLDLSMNQACIHVEGSRQALTLQDWAAQRCTISYRAPELFSVQSHC VIDERTDVWSLGCVL YAMMFGEGPYDMVFQKGDVALAVQNQLSIPQSPRHSSALWQLLSMMTVDPHQ 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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_003682</a>
RefSeq Size:	1682
RefSeq ORF:	915
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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Locus ID: 8576

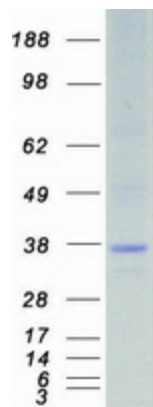
UniProt ID: [O75716](#)

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# [TP300566]). The protein was produced from HEK293T cells transfected with STK16 cDNA clone (Cat# [RC200566]) using MegaTran 2.0 (Cat# [TT210002]).