

## Product datasheet for PH301200

### Cip4 (TRIP10) (NM\_004240) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TRIP10 MS Standard C13 and N15-labeled recombinant protein (NP_004231)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201200
Predicted MW:	62.6 kDa
Protein Sequence:	>RC201200 protein sequence Red=Cloning site Green=Tags(s)

MDWGTTELWDQFEVLERHTQWGLDLLDRYVKFVKERTEVEQAYAKQLRSLVKKYLPKRPKDDPESKFSQQ  
QSFVQILQEVNDFAGQRELVAENLSVRVCLELTKYSQEMKQERKMHFQEGRRQQLENGFKQLENSKRK  
FERDCREAEKAAQTAERLDQDINATKADVEKAKQQAHLRSHMAEESKNEYAAQLQRFNRDQAHFYFSQMP  
QIFDKLQDMERRATRLGAGYGLLSEAELEVVPPIIAKCLEGMKVAANAVDPKNDSHVLIELHKS GFARPG  
DVEFEDFSQPMNRAPSDSSLGTPSDGRPELRGPGRSRTKRWPF GKKNKTVVTEDFSHLPPEQQRKRLQQQ  
LEERSRELQKEVDQREALKMKDYYEKTQPMGDPASLEPQIAETLSNIERLKLEVQKYEAWLAEAESRVL  
SNRGDSL SRHARPPDPPASAPPDSSNSASQDTKESSEEPPEESQDTPITYTEFDEDFEEEEPTSPIGHCV  
AIYHFEGSSEGTISMAEGEDLSLMEEDKGDGWTRVRRKEGEGYVPTSYLRVTLN

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<u>NP_004231</u>
RefSeq Size:	2033
RefSeq ORF:	1635



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**Synonyms:** CIP4; HSTP; STOT; STP; TRIP-10

**Locus ID:** 9322

**UniProt ID:** [Q15642](#)

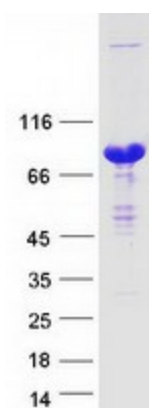
**Cytogenetics:** 19p13.3

**Summary:** Required for translocation of GLUT4 to the plasma membrane in response to insulin signaling (By similarity). Required to coordinate membrane tubulation with reorganization of the actin cytoskeleton during endocytosis. Binds to lipids such as phosphatidylinositol 4,5-bisphosphate and phosphatidylserine and promotes membrane invagination and the formation of tubules. Also promotes CDC42-induced actin polymerization by recruiting WASL/N-WASP which in turn activates the Arp2/3 complex. Actin polymerization may promote the fission of membrane tubules to form endocytic vesicles. Required for the formation of podosomes, actin-rich adhesion structures specific to monocyte-derived cells. May be required for the lysosomal retention of FASLG/FASL.[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

**Protein Pathways:** Insulin signaling pathway

### Product images:



Coomassie blue staining of purified TRIP10 protein (Cat# [TP301200]). The protein was produced from HEK293T cells transfected with TRIP10 cDNA clone (Cat# [RC201200]) using MegaTran 2.0 (Cat# [TT210002]).