OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR51297PU-N

TRIP10 (260-545, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	TRIP10 (260-545, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSDPKNDSH VLIELHKSGF ARPGDVEFED FSQPMNRAPS DSSLGTPSDG RPELRGPGRS RTKRWPFGKK NKTVVTEDFS HLPPEQQRKR LQQQLEERSR ELQKEVDQRE ALKKMKDVYE KTPQMGDPAS LEPQIAETLS NIERLKLEVQ KYEAWLAEAE SRVLSNRGDS LSRHARPPDP PASAPPDSSS NSASQDTKES SEEPPSEESQ DTPIYTEFDE DFEEEPTSPI GHCVAIYHFE GSSEGTISMA EGEDLSLMEE DKGDGWTRVR RKEGGEGYVP TSYLRVTLN
Tag:	His-tag
Predicted MW:	34.6 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 0.1M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human TRIP10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
RefSeq:	NP_001275891
Locus ID:	9322
UniProt ID:	Q15642
Cytogenetics:	19p13.3
Synonyms:	CIP4; HSTP; STOT; STP; TRIP-10

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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: