9051 Mira Mesa Blvd, #910094
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TWF1 Human

Twinfilin-1 Human Recombinant
RCP2473

Product Overview

Name	TWF1 Human
Description	
Twinfilin-1 Human Recombinant	
Accession (Primary)	Q12792
Synonyms	
Twinfilin-1, Protein A6, Protein tyrosine kinase 9, TWF1, PTK9.	
Introduction	
Twinfilin (TWF1) is a ubiquitous actin-monomer-binding protein which is composed of two ADF-homology domains. Twinfilin forms a 1:1 complex with ADP-actin-monomers, prevents nucleotide exchange on actin monomers and blocks assembly of the monomer into filaments. TWF1 is composed of 2 ADF/cofilin-like (ADF-H) domains joined by a short linker region and followed by a C-terminal tail of approximately 20 residues. The 2 ADF-H domains are approximately 20% homologous to ADF/cofilin and to each other. TWF1 protein may be an actin monomer-binding protein, and its localization to cortical G-actin-rich structures might be regulated by the small GTPase RAC1.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
TWF1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 80% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSHM MLYAA TRATLKKEFG GGHIKDEVFG TVKEDVSLHG YKKYLLSQSS PAPLTAAEEE LRQIKINEVQ TDVGVDTKHQ TLQGVAFPIS REAFQALEKL NNRQLNYVQL EIDIKNEIII LANTTNTELK	

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DLPKRIPKDS ARYHFFLYKH SHEGDYLESI VFIYSMPGYT CSIRERMLYS SCKSRLLEIV ERQLQMDVIR KIEIDNGDEL TADFLYEEVH PKQHAHKQSF AKPKGPAGKR GIRRLIRGPA ETEATTD.

Precautions

TWF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q12792)