

Product datasheet for **TP304517**

RTKN (NM_033046) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human rhotekin (RTKN), transcript variant 2, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204517 protein sequence
Red=Cloning site **Green**=Tags(s)

MQDRLHILEDLNMLYIRQMALSLEDTELQRKLDHEIRMREGACKLLAACSQREQALEATKSLVCNSRIL
SYMGELQRRKEAQLGKTSRRPSDSGPPAERSPCRGRVCISDLRIPLMWKDTEYFKNKGDHLRWAVFLL
QLGEHIQDTEMILVDRTLTDISFQSNVLF AEAGPDFELRLELYGACVEEEGALTGGPKRLATKLSSSLGR
SSGRRVRASLDSAGGSGSPILLPTPVVGGPRYHLLAHTTLTAAVQDGFRTDHLTASHEENPAWLPLY
GSVCCRLAAQPLCMTQPTASGTLRVQQAGEMQNWAQVHGVKGTNLFYRQPEDADTGEEPLLTIAVNKE
TRVRAGELDQALGRPFTLSISNQYGDDEVHTLQTESREALQSWMEALWQLFFDMSQWKQCCDEIMKIET
PAPRKPQALAKQGSLYHEMAIEPLDDIAAVTDILTQREGARLETPPPWLAMFTDQPALPNPCSPASVAP
APDWTHTPLPWGRPRTFSLDAVPPDHSPRARSVAPLPPQSRPRTRGLCSKGQPRTWLQSPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 61 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_149035](#)

Locus ID: 6242

UniProt ID: [Q9BST9](#)

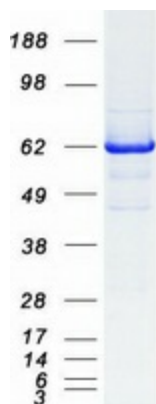
RefSeq Size: 2638

Cytogenetics: 2p13.1

RefSeq ORF: 1650

Summary: This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified RTKN protein (Cat# TP304517). The protein was produced from HEK293T cells transfected with RTKN cDNA clone (Cat# [RC204517]) using MegaTran 2.0 (Cat# [TT210002]).