

## Product datasheet for TP304517L

### RTKN (NM\_033046) Human Recombinant Protein

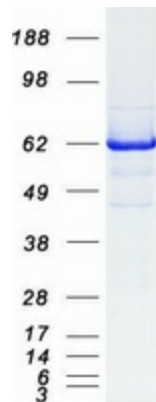
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human rhotekin (RTKN), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204517 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MQDRLHILEDLNMLYIRQMALSLEDTELQRKLDHEIRMREGACKLLAACSQREQALEATKSLVCNSRIL SYMGELQRRKEAQVLGKTSRRPSDSGPPAERSPCRGRVCISDLRIPLMWKDEYFKNKGD LHRWAVFLLL QLGEHIQDTEMILVDRTLTDISFQSNVLF AEAGPDFELRLEYGACVEEEGALTGGPKRLATKLSSSLGR SSGRRVRASLDSAGGSGSSPILLPTPVVGGPRYHLLAHTTLTAAVQDGFRT HDLTASHEENPAWLPLY GSVCCRLAAQPLCMTQPTASGTLRVQQAGEMQNWAQVHGVLKGTNLFCYRQPEDADTGEEPLLTIAVN KE TRVRAGELDQALGRPFTLSISNQYGDDEVHTLTQTESREALQSWMEALWQLFFDMSQWKQCCDEIMKIE T PAPRKPPQALAKQGSLYHEMAIEPLDDIAAVTDILTQREGARLETPPPWLAMFTDQPALPNPCSPASVAP APDWTHPLPWGRPRTFSLDAVPPDHSPRARSVAPLPPQRSPTRG LCKSGQPRTWLQSPV  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
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.


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_149035</u>
<b>Locus ID:</b>	6242
<b>UniProt ID:</b>	<u>Q9BST9</u>
<b>RefSeq Size:</b>	2638
<b>Cytogenetics:</b>	2p13.1
<b>RefSeq ORF:</b>	1650
<b>Summary:</b>	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]).