

# Recombinant Human RTKN Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RTKN-6216H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	RTKN MS Standard C13 and N15-labeled recombinant protein (NP_149035) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</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.
<b>Molecular Mass</b>	61.2 kDa
<b>AA Sequence</b>	MQDRLHILEDLNMLYIRQMALSLEDTELQRKLDHEIRMREGACKLLAACSQREQALE ATKSLLV CNSRILSYMGELQRRKEA QVLGKTSRRP SDSGPPAERSPCRGRVCISDL RIPLMWKDTEYFKNKGDLHRWAVFLLLQLGEHIQDTEMILVDRTLTDISFQSNVLF AE AGPDFELRLELYGACVEEEGALTGGPKRLATKLSSSLGRSSGRRVRASLDSAGGSG SSPILLPTPVVGGPRYHLLAHTTLTAAVQDGFRT HDLTLASHEENPAWLPLYGSVC

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CRLAAQPLCMTQPTASGTLRVQQAGEMQNWAQVHGVKGTNLFCYRQPEDADTG  
 EEPLLTIAVKNKETRVRAGELDQALGRPFTLSISNQYGDDEVHTLQTESREALQSWM  
 EALWQLFFDMSQWKQCCDEIMKIETPAPRKPPQALAKQGSLYHEMAIEPLDDIAAVT  
 DILTQREGARLETPPPWLAMFTDQPALPNPCSPASVAPAPDWITHPLPWGRPRTFSL  
 DAVPPDHSPRARSVAPLPPQRSRTRGLCSKGQPRTWLQSPVTRTRPLEQKLISEE  
 DLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	RTKN rhotekin [ Homo sapiens (human) ]
<b>Official Symbol</b>	RTKN
<b>Synonyms</b>	RTKN; rhotekin; rhotekin
<b>Gene ID</b>	6242
<b>mRNA Refseq</b>	NM_033046
<b>Protein Refseq</b>	NP_149035

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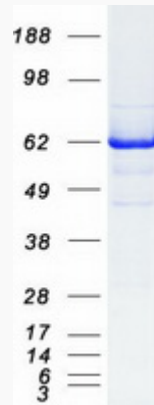
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**MIM** 602288

**UniProt ID** Q9BST9

**SDS-PAGE**



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