

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

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

SPECIFICATION

Product Overview	RTKN MS Standard C13 and N15-labeled recombinant protein (NP_149035) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	61.2 kDa
AA Sequence	MQDRLHILEDLNMLYIRQMALSLEDTELQRKLDHEIRMREGACKLLAACSQREQALE ATKSLVCNSRILSYMGELQRRKEAQVLGKTSRRPSDSGPPAERSPCRGRVCISDL RIPLMWKDTEYFKNKGDLHRWAVFLLLQLGEHIQDTEMILVDRTLTDISFQSNVLF AGPDFELRLELYGACVEEEGALTGGPKRLATKLSSSLGRSSGRRVRASLDSAGGSG SSPILLPTPVVGGPRYHLLAHTTLTAAVQDGFRTDHLTLASHEENPAWLPLYGSVC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

CRLAAQPLCMTQPTASGTLRVQQAGEMQNWAQVHGVKGTNLFCYRQPEDADTG
 EEPLLTIAVKNKETRV RAGELDQALGRPFTLSISNQYGDDEVTHLTQTESREALQSWM
 EALWQLFFDMSQWKQCCDEIMKIETPAPRKPPQALAKQGSLYHEMAIEPLDDIAAVT
 DILTQREGARLET PPPWLAMFTDQPALPNPCSPASVAPAPDWITHPLPWGRPRTFSL
 DAVPPDHSPRARSVAPLPPQRSRTRGLCSKGQPRTWLQSPVTRTRPLEQKLISEE
 DLAANDILDYKDDDDKV

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

GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

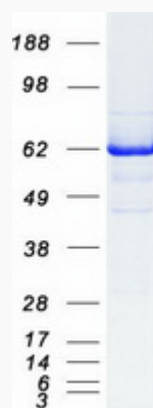
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 602288

UniProt ID Q9BST9

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA