

Recombinant human RIP protein (Active) ab268942

2 Images

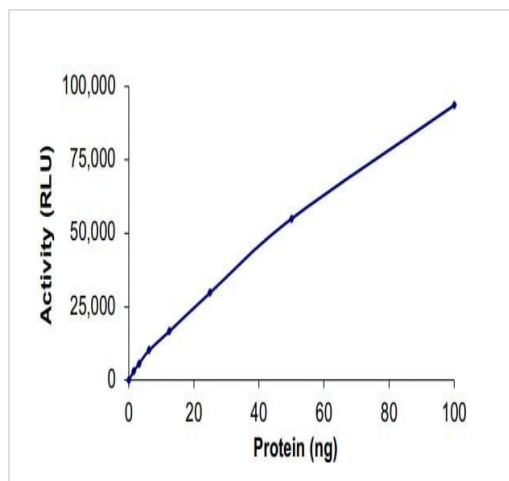
Description	
Product name	Recombinant human RIP protein (Active)
Biological activity	The specific activity of ab268942 was 9 nmol/min/mg in a kinase assay using MBP protein as substrate.
Purity	> 90 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q13546</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<div>MQPDMSLNVIKMKSSDFLESAELDSSGGFGKVSLCFHRTQ GLMIMKTVYKG PNCIEHNEALLEEAKMMNRLRHSRVVKLLGVIIIEGKYSLV MEYMEKGNL MHVLKAEMSTPLSVKGRILEIIEGMCYLHGKGVVHKDLKPE NILVDNDF HIKIADLGLASFKMWSKLNNEEHNELREVDGTAKKNGGTL YYMAPEHLND VNAKPTEKSDVYSFAVVLWAIFANKEPYENAICEQQQLIMCI KSGNRPDVD DITEYCPREIISLMKLCWEANPEARPTFPGIEEKFRPFYLSQ LEESVEED VKSLKKEYSNENAVVKRMQSLQLDCVA</div>
Molecular weight information	63 kDa by SDS-PAGE
Amino acids	1 to 327
Tags	GST tag N-Terminus
Additional sequence information	NM_003804

Specifications

Our **Abpromise guarantee** covers the use of **ab268942** in the following tested applications.

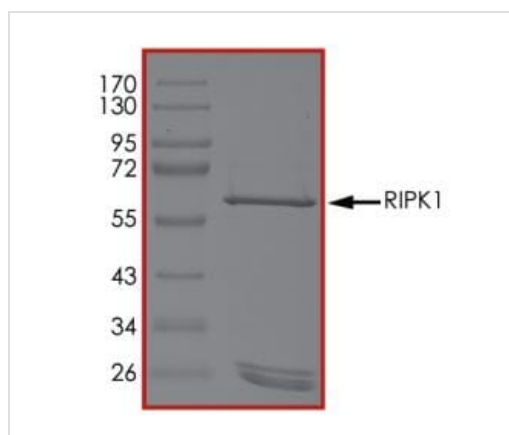
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Liquid
Preparation and Storage	
Stability and Storage	<p>Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.</p> <p>pH: 7.50</p> <p>Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
General Info	
Function	Essential adapter molecule for the activation of NF-kappa-B. Following different upstream signals (binding of inflammatory cytokines, stimulation of pathogen recognition receptors, or DNA damage), particular RIPK1-containing complexes are formed, initiating a limited number of cellular responses. Upon TNFA stimulation RIPK1 is recruited to a TRADD-TRAF complex initiated by TNFR1 trimerization. There, it is ubiquitinated via 'Lys-63'-link chains, inducing its association with the IKK complex, and its activation through NEMO binding of polyubiquitin chains.
Sequence similarities	<p>Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.</p> <p>Contains 1 death domain.</p> <p>Contains 1 protein kinase domain.</p>
Post-translational modifications	<p>Proteolytically cleaved by caspase-8 during TNF-induced apoptosis. Cleavage abolishes NF-kappa-B activation and enhances pro-apototic signaling through the TRADD-FADD interaction. Autophosphorylated on serine and threonine residues.</p> <p>Ubiquitinated by 'Lys-11'-, 'Lys-48'-, 'Lys-63'- and linear-linked type ubiquitin. Polyubiquitination with 'Lys-63'-linked chains by TRAF2 induces association with the IKK complex. Deubiquitination of 'Lys-63'-linked chains and polyubiquitination with 'Lys-48'-linked chains by TNFAIP3 leads to RIPK1 proteasomal degradation and consequently to the termination of the TNF- or Linear polyubiquitinated; the head-to-tail polyubiquitination is mediated by the LUBAC complex. LPS-mediated activation of NF-kappa-B. Also ubiquitinated with 'Lys-11'-linked chains.</p>
Cellular localization	Cytoplasm.
Images	



The specific activity of ab268942 was 9 nmol/min/mg in a kinase assay using MBP protein as substrate.

Functional Studies - Recombinant human RIP protein (ab268942)



SDS-PAGE analysis of ab268942.

SDS-PAGE - Recombinant human RIP protein (ab268942)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors