

# Recombinant Full Length Human RIPK3 Protein (1-518 aa), His-tagged

**Cat. No.** RIPK3-1756H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human RIPK3 Protein (1-518 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Cell Biology. Protein Description: Full Length.   |
| <b>Species</b>          | Human   |
| <b>Source</b>           | Yeast   |
| <b>ProteinLength</b>    | 1-518 aa  |
| <b>Description</b>      | Essential for necroptosis, a programmed cell death process in response to death-inducing TNF-alpha family members. Upon induction of necrosis, RIPK3 interacts with, and phosphorylates RIPK1 and MLKL to form a necrosis-inducing complex. RIPK3 binds to and enhances the activity of three metabolic enzymes: GLUL, GLUD1, and PYGL. These metabolic enzymes may eventually stimulate the tricarboxylic acid cycle and oxidative phosphorylation, which could result in enhanced ROS production. |
| <b>Form</b>             | Tris-based buffer,50% glycerol  |
| <b>Molecular Mass</b>   | 58.9 kDa  |
| <b>AA Sequence</b>      | MSCVKLWPSGAPAPLVSIEELENQELVGKGGFGTVFRAQHRKRWGYDVAVKIVNSKA<br>ISREVKAMASLDNEFVLRLEGVIEKVNWDQDPKPALVTKFMENGSLSGLLQSQCPR   |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

PWPLLCRLLKEVVLGMFYLDQNPVLLHRDLKPSNVLLDPELHVKLADFGLSTFQGG  
 SQSGTGSSEPGGTLGYLAPELFFVNVNRKASTASDVYSFGILMWAVLAGREVELPTE  
 PSLVYEAVCNRQNRPSLAELPQAGPETPGLEGLKELMQLCWSSEPKDRPSFQECL  
 PKTDEVFQMVENNMNAAVSTVKDFLSQLRSSNRRFSIPESGQGGTEMDGFRRTIEN  
 QHSRNDVMVSEWLNKLNLEPPSSVPPKKCPSLTKRSRAQEEQVPQAWTAGTSSDS  
 MAQPPQTPETSTFRNQMPSTSTGTSPGPRGNQGAERQGMNWSCRTPPEPNPVT  
 GRPLVNIYNCSGVQVGDNNYLTMQTTALPTWGLAPSGKGRGLQHPPPVGSEQEP  
 KDPEAWSRPQGWNHSGK

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [RIPK3 receptor-interacting serine-threonine kinase 3 \[ Homo sapiens \]](#)

**Official Symbol** [RIPK3](#)

**Synonyms** RIPK3; RIP3; RIP-3; RIP-like protein kinase 3;

**Gene ID** [11035](#)

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

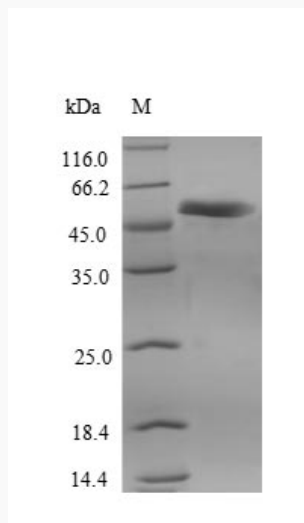
 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq [NM\\_006871](#)

Protein Refseq [NP\\_006862](#)

MIM [605817](#)

UniProt ID [Q9Y572](#)



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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