

# Recombinant Human RIPK3, GST-tagged

**Cat. No.** RIPK3-2899H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RIPK3 produced by wheat germ expression system in vitro contains GST tag at N-terminus and is purified by glutathione sepharose 4 fast flow.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Protein Length</b>   | 1-518 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | The product of this gene is a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases, and contains a C-terminal domain unique from other RIP family members. The encoded protein is predominantly localized to the cytoplasm, and can undergo nucleocytoplasmic shuttling dependent on novel nuclear localization and export signals. It is a component of the tumor necrosis factor (TNF) receptor-I signaling complex, and can induce apoptosis and weakly activate the NF-kappaB transcription factor. |
| <b>Applications</b>     | Kinase Assay; ELISA ; Antibody Production; Western Blot; Protein Array                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Buffer</b>   | 50mM Tris-HCl, 10 mM reduced Glutathione, pH8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>          | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Official Symbol</b>  | RIPK3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | RIPK3 receptor-interactingserine-threonine kinase 3 [ Homo sapiens ]                                                                                                                                                                                                                               |
| <b>Synonyms</b>            | receptor-interactingserine-threonine kinase 3; RIP3; Receptor-interacting protein 3; RIP-3; RIP-likeprotein kinase 3; OTTHUMP00000164791; receptor interacting protein3; receptor-interactingserine/threonine-protein kinase 3; EC 2.7.11.1; receptor-interactingserine/threonine-protein kinase 3 |
| <b>Gene ID</b>             | 11035                                                                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>         | NM_006871                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | NP_006862                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | 605817                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | Q9Y572                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 14q12                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | CytosolicDNA-sensing pathway; Immune System; Innate Immune System                                                                                                                                                                                                                                  |
| <b>Function</b>            | ATPbinding; nucleotide binding; nucleotide binding                                                                                                                                                                                                                                                 |

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