

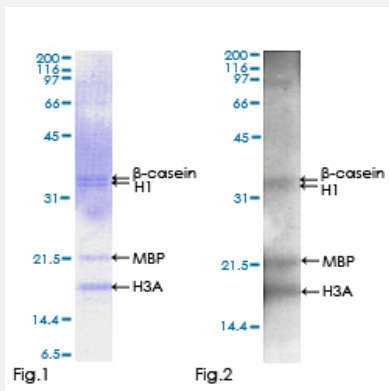
Full-Length

RIPK3 (Human) Recombinant Protein (P01)

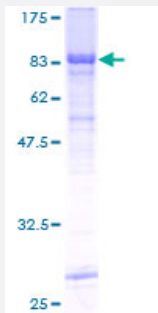
Catalog # H00011035-P01

Size 25 ug, 10 ug

Applications



Kinase Assay



Specification

Product Description

Human RIPK3 full-length ORF (AAH62584, 1 a.a. - 518 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence	MSCVKLWPSGAPAPLVSIEELENQELVGKGGFGTVFRAQHRKWGYDVAVKMNSKAISREVKAM ASLDNEFVLRLEGVIEKVNWDQDPKPALVTKFMENGSLSGLLQSQCPRPWPLLCRLLKEVVLM FYLHDQNPVLLHRDLKPSNVLLDPELHVKLADFGSLTFQGGSSQSGTGSGEPGGTLGYLAPELFV NVNRKASTASDVYSFGILMWAVLAGREVELPTEPSLVYEAVCNQRNRP SLAELPQAGPETPGLE GLKELMQLCWSSEPKDRPSFQECLPKTDEVFQMVENNMNAAVSTVKDFLSQLRSSNRRFSIPE SGQGGTEMDGFRRTIENQHSRNDVMVSEWLNKLNLEPPSSVPKKCPSLTKRSRAQEEQVPQA WTAGTSSDSMAQPPQTPETSTFRNQMPSTSTGTPSPGPRGNQGAERQGMNWSCRTPEPNPV TGRPLVNIYNC SGVQVGDNNYL TMQQTALPTWGLAPSGKGRGLQHPPPVGSGQEGPKDPEAWS RPQGWNHSGK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	82.72
Interspecies Antigen Sequence	Mouse (59); Rat (60)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Kinase Assay

[Protocol Download](#)

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RIPK3

Entrez GeneID	11035
GeneBank Accession#	BC062584
Protein Accession#	AAH62584
Gene Name	RIPK3
Gene Alias	RIP3
Gene Description	receptor-interacting serine-threonine kinase 3
Omim ID	605817
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	RIP-like protein kinase 3 receptor interacting protein 3

Publication Reference

- [The AMPK-Parkin axis negatively regulates necroptosis and tumorigenesis by inhibiting the necrosome.](#)

Lee SB, Kim JJ, Han SA, Fan Y, Guo LS, Aziz K, Nowsheen S, Kim SS, Park SY, Luo Q, Chung JO, Choi SI, Aziz A, Yin P, Tong SY, Fiesel FC, Springer W, Zhang JS, Lou Z.

Nature Cell Biology 2019 Aug; 21(8):940.

Application: Func, WB-Re, Recombinant proteins

- [Necrostatin decreases oxidative damage, inflammation, and injury after neonatal HI.](#)

Northington FJ, Chavez-Valdez R, Graham EM, Razdan S, Gauda EB, Martin LJ.

Journal of Cerebral Blood Flow and Metabolism 2011 Jan; 31(1):178.

Application: WB-Re, Recombinant protein

Disease

- [Cleft Lip](#)

- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Lymphoma](#)