

RIPK1 recombinant protein

Recombinant Human RIPK1 protein

CATALOG # AAA119920	HOST E Coli
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PRODUCT SYNONYMS

RIPK1; Recombinant Human RIPK1 protein; Receptor-interacting serine/threonine-protein kinase 1; Cell death protein RIP; Receptor-interacting protein 1; RIP-1; RIPK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90% as determined by SDS-PAGE
Form/Format	Lyophilized from PBS pH 7.4, 0.02% NLS, 4% Trehalose, 1% Mannitol, 1mM EDTA.
Species	Homo sapiens (Human)
Protein Construction	A DNA sequence encoding the human RIPK1 (Met1-Asn671) was fused with His tag
Reconstitution	Reconstitute in sterile water for a stock solution.
Preparation and Storage	Store at -20 to -80 degree C for twelve months from the date of receipt. Use a manual defrost freezer and avoid repeated freeze thaw cycles. In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

ADDITIONAL INFORMATION

Related Product Information for RIPK1 recombinant protein	The receptor-interacting protein kinase 1 (RIPK1) is an essential signaling molecule in pathways for cell survival, apoptosis, and necroptosis. RIPK1-mediated cell proliferation through MCU is a central mechanism underlying colorectal cancer progression and may prove to be an important therapeutic target for colorectal cancer treatment. Parkin with Receptor-interacting protein kinase 1 (RIPK1) kinase, a key mediator of multiple signaling pathways activated by TNFR1 including NF-kappaB pathway. RIPK1-mediated mitochondrial dysfunction and oxidative stress play a crucial role in NP cells necroptosis and apoptosis during compression injury. The synergistic regulation of necroptosis and apoptosis may exert more beneficial effects on NP cells survival, and ultimately delaying or even retarding intervertebral disc degeneration.
Product Categories/Family for RIPK1 recombinant protein	Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	57242761
NCBI GeneID	8737
NCBI Accession #	NP_003795
NCBI GenBank Nucleotide #	NM_003804.3
UniProt Accession #	Q13546 ; Q13180 ; Q59H33 ; A0AV89 ; B2RAG1 ; B4E3F9
Molecular Weight	Predicted MW: 73.63
NCBI Official Full Name	receptor-interacting serine/threonine-protein kinase 1

NCBI Official Synonym Full Names	receptor (TNFRSF)-interacting serine-threonine kinase 1
NCBI Official Symbol	RIPK1
NCBI Official Synonym Symbols	RIP; RIP1
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 1; RIP-1; cell death protein RIP; receptor interacting protein; receptor-interacting protein 1; serine/threonine-protein kinase RIP
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 1
UniProt Gene Name	RIPK1
UniProt Synonym Gene Names	RIP; RIP1; RIP-1
UniProt Entry Name	RIPK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ripk1-recombinant-protein-e-coli/119920>