

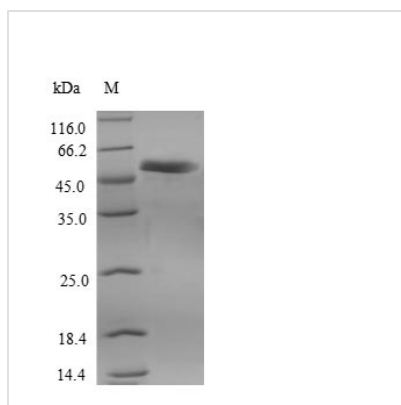


# Recombinant Human Receptor-interacting serine/threonine-protein kinase 3 (RIPK3)

<b>Product Code</b>	CSB-YP897497HU
<b>Relevance</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>Abbreviation</b>	RIPK3
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q9Y572
<b>Alias</b>	RIP-like protein kinase 3 Receptor-interacting protein 3 Short name: RIP-3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSCVKLWPSGAPAPLVSIEELENQELVGKGGFGTVFRAQHRKWGYDVAVKIV NSKAISREVKAMASLDNEFVLRLEGVIEKVNWDQDPKPALVTKFMENGSLSGL LQSQCPRPWPLLCRLLKEVVLGMFYLDQNPVLLHRDLKPSNVLLDPELHVKL ADFGGLSTFQGGSQSGTGSSEPGGTGLGYLAPELFVNVNRKASTASDVYSFGIL MWAVLAGREVELPTEPSLVYEAVCNRQNRPSLAELPQAGPETPGLEGLKELM QLCWSSEPKDRPSFQECLPKTDEVFQMVENNMMNAAVSTVKDFLSQLRSSNR RFSIPESGQGGTEMDGFRRTIENQHRSRNDVMVSEWLNKLNLEPPSSVPKKC PSLTKRSRAQEEQVPQAWTAGTSSDSMAQPPQTPETSTFRNQMPSPSTSTGT PSPGPRGNQGAERQGMNWSCRTPENPVTGRPLVNIYNCSGVQVGDNNYLT MQQTTALPTWGLAPSGKGRGLQHPPPVGSQEGPKDPEAWSRPQGWNHSGK
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	Cell Biology
<b>Source</b>	Yeast
<b>Gene Names</b>	RIPK3
<b>Protein Names</b>	Recommended name: Receptor-interacting serine/threonine-protein kinase 3 EC= 2.7.11.1 Alternative name(s): RIP-like protein kinase 3 Receptor-interacting protein 3 Short name= RIP-3
<b>Expression Region</b>	1-518aa



<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-tagged
<b>Mol. Weight</b>	58.9kDa
<b>Protein Description</b>	Full Length

**Image**


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

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.