

Recombinant Human RIPK2 protein, His-tagged

Cat. No. RIPK2-932H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RIPK2(Gln432~Met540) fused with 10-his tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln432~Met540
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	16.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and

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store at -80 centigrade for 12 months.

Reconstitution Reconstitute in PBS or others.

GENE INFORMATION

Gene Name [RIPK2 receptor-interacting serine-threonine kinase 2 \[Homo sapiens \]](#)

Official Symbol [RIPK2](#)

Synonyms

RIPK2; receptor-interacting serine-threonine kinase 2; receptor-interacting serine/threonine-protein kinase 2; CARD3; CARDIAK; RICK; RIP2; RIP-2; CARD-carrying kinase; growth-inhibiting gene 30; tyrosine-protein kinase RIPK2; receptor interacting protein 2; receptor-interacting protein 2; RIP-like-interacting CLARP kinase; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta-converting enzyme-associated kinase; CARD-containing interleukin-1 beta-converting enzyme (ICE)-associated kinase; receptor-interacting protein (RIP)-like interacting caspase-like apoptosis regulatory protein (CLARP) kinase; CCK; GIG30;

Gene ID [8767](#)

mRNA Refseq [NM_003821](#)

Protein Refseq [NP_003812](#)

MIM [603455](#)

UniProt ID [O43353](#)

Chromosome Location 8q21

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Pathway

Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Canonical NF-kappaB pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; IL12-mediated signaling events, organism-specific biosystem;

Function

ATP binding; CARD domain binding; CARD domain binding; LIM domain binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein homodimerization activity; protein serine/threonine kinase activity; signal transducer activity;

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