

## Recombinant Mouse Ripk2 protein, His & T7-tagged

**Cat. No.** Ripk2-1795M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant Mouse Ripk2 aa. (Met1~Leu294 (Accession # P58801)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | Met1~Leu294                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a member of the receptor-interacting protein family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase activation and recruitment domain, and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of nuclear factor kappa B and inducer of apoptosis in response to various stimuli. Alternate splicing results in multiple transcript variants. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 37.4kDa.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Characteristic</b>   | The isoelectric point is 6.3.                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>          | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.                                                                                                                                                                                                                                                                                                                               |
| <b>Reconstitution</b>   | Reconstitute in sterile ddH <sub>2</sub> O.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | Ripk2 receptor (TNFRSF)-interacting serine-threonine kinase 2 [ Mus musculus (house mouse) ]                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | Ripk2                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | Chrne; cholinergic receptor, nicotinic, epsilon polypeptide; Acre; nAChRE; AChrepsilon; acetylcholine receptor subunit epsilon; AchR epsilon subunit; nicotinic acetylcholine receptor epsilon subunit                                                                                                                                                                                                                                                                    |
| <b>Gene ID</b>          | 192656                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>      | NM_138952.4                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

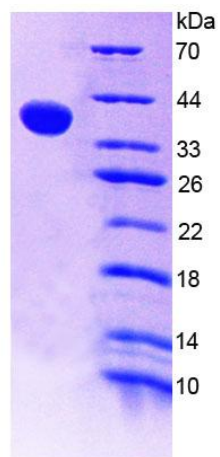
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Protein Refseq NP\_620402.1

UniProt ID P58801



15% SDS-PAGE

SDS-PAGE

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