

Human RIPK2 Protein, GST Tag (active enzyme)

Catalog # RI2-H55G3



Synonyms

CARD3, CARDIAK, CCK, GIG30, RICK, RIP2

Source

Human RIPK2 Protein, GST Tag (RI2-H55G3) is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Glu 299 (Accession # [O43353](#)).

Predicted N-terminus: Met 1

Molecular Characterization

RIPK2(Met 1 - Glu 299) O43353	GST
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This protein carries a GST tag at the C-terminus.

The protein has a calculated MW of 59.7 kDa. The protein migrates as 58-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>80% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping and Storage

This product is supplied and shipped on dry ice.

Please avoid repeated freeze-thaw cycles.

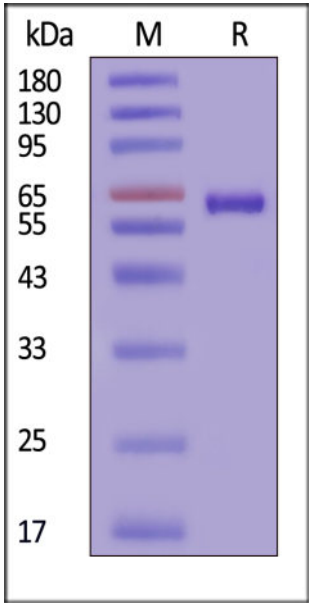
This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

ACRO Quality Management System

- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Human RIPK2 Protein, GST Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 80% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity

The RIPK2 assay is performed using the ADP-Glo™ Kinase Assay kit which quantifies the amount of ADP produced by the RIPK2 reaction. The ADP-Glo™ Reagent is added to terminate the kinase reaction and to deplete the remaining ATP, and then the Kinase Detection Reagent is added to convert ADP to ATP and to measure the newly synthesized ATP using luciferase/luciferin reaction. The specific activity is >5 pmol/min/μg (QC tested).

Background

Receptor-interacting protein kinase 2 (RIPK2) is a crucial downstream signaling node for NOD1 and NOD2 intracellular pattern recognition receptors. Upon activation, RIPK2 drives NF-κB and MAPK pathways, triggering robust pro-inflammatory cytokine production. Dysregulation of RIPK2 is strongly linked to autoimmune and inflammatory disorders, particularly Crohn's disease, making it a highly attractive target for novel kinase inhibitors and PROTAC degraders.



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