Bioactive

RIPK2 (Human) Recombinant Protein

Catalog # P6555 Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human RIPK2 (NP_003812.1, 1 a.a. - 305 a.a.) partial recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.86
Activity	The activity was determined by ELISA. The enzyme was incubated with biotinylated substrate protein, and after stopping kinase reaction by EDTA, the reaction solution was transferred into streptavidin-coated plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG. Substrate: MBP, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study

Gene Info — RIPK2

Entrez GeneID	8767
Protein Accession#	NP_003812.1
Gene Name	RIPK2
Gene Alias	CARD3, CARDIAK, CCK, GIG30, RICK, RIP2
Gene Description	receptor-interacting serine-threonine kinase 2
Omim ID	603455
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine p rotein kinases. The encoded protein contains a C-terminal caspase activation and recruitment do main (CARD), and is a component of signaling complexes in both the innate and adaptive immun e pathways. It is a potent activator of NF-kappaB and inducer of apoptosis in response to various stimuli. [provided by RefSeq
Other Designations	CARD-carrying kinase|CARD-containing interleukin-1 beta-converting enzyme (ICE)-associated kinase|growth-inhibiting gene 30|receptor interacting protein 2|receptor-interacting protein (RIP)-li ke interacting caspase-like apoptosis regulatory protein (CLARP

Pathway

- Neurotrophin signaling pathway

Disease

- Genetic Predisposition to Disease

- Hematologic Diseases
- Hodgkin Disease
- Leprosy
- Lymphoma
- Lymphoproliferative Disorders
- Occupational Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome