

Bioactive

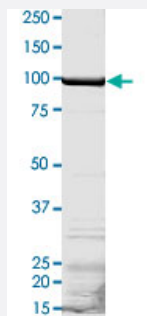
Full-Length

ZAP70 (Human) Recombinant Protein

Catalog # P4798

Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human ZAP70 (NM_001079, 1 a.a. - 619 a.a.) full-length recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	99.496
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH-agarose
Concentration	0.263 ug/uL

Activity	76 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0 (5 mM DTT, 4 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — ZAP70

Entrez GeneID	7535
Protein Accession#	NM_001079
Gene Name	ZAP70
Gene Alias	FLJ17670, FLJ17679, SRK, STD, TZK, ZAP-70
Gene Description	zeta-chain (TCR) associated protein kinase 70kDa
Omim ID	176947
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene. [provided by RefSeq]</p>
Other Designations	syk-related tyrosine kinase zeta-chain (TCR) associated protein kinase (70 kD) zeta-chain associated protein kinase 70kDa zeta-chain associated protein kinase, 70kD

Pathway

- [Natural killer cell mediated cytotoxicity](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [HIV Infections](#)