

Product datasheet for **TP308838**

ZAP70 (NM_001079) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human zeta-chain (TCR) associated protein kinase 70kDa (ZAP70), transcript variant 1
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	Recombinant protein was produced with TrueORF clone, RC208838.
Tag:	C-Myc/DDK
Predicted MW:	69.7 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
RefSeq:	NP_001070
Locus ID:	7535
RefSeq Size:	2450
Cytogenetics:	2q11.2
RefSeq ORF:	1857
Synonyms:	ADMIO2; IMD48; SRK; STCD; STD; TZK; ZAP-70
Summary:	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, Jul 2008]



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Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway

Product images:

