

Product datasheet for **TP308838L**

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, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC208838 representing NM_001079
Red=Cloning site **Green**=Tags(s)

MPDPA AHL PFFYGSISR AEAEHLKLAGMADGLFLLRQCLRSLGGYVLSLVHDVRFHHPPIERQLNGTYA
IAGGKAHCGPAELCEFYSRDPDGLPCNLRKPCNRPSGLEPQPGVDFCLRDAMVRDYVRQTWKLEGEALEQ
AII SQAPQVEKLIATTAHERMPWYHSSLTREEAERKLYSGAQTGDKFLLRPRKEQGTYALS LIYGKTVYH
YLISQDKAGKYCIPEGTKFDTLWQLVEYLK LKADGLIYCLKEACPNSSASNASGAAAPTLP AHPSTLTHP
QRRIDTLNSDGYTPEPARITSPDKPRPMPMDTSVYESPYS DPEELKDKKFLKRDNLLIADIELGCGNFG
SVRQGVYRM RKKQIDVAIKVLKQGTEKADTEEMMREAQIMHQLDNPYIVRLIGVCQAEALMLVMEMAGGG
PLHKFLV GKREEIPVSNVAELLHQVSMGMKYLEEFVHRDLAARNVLLVNRHYAKISDFGLSKALGADD
SYYTARSAGKWPLK WYAPECINFRKFSSRS DVWSYGV TMWEALSYGQKPYKKMKGPEVMAFIEQGRMEC
PPECPELYALMSDCWYK WEDRPDFLTVEQRMRACYYSLASKVEGPPGSTQKAEAAACA

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 69.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

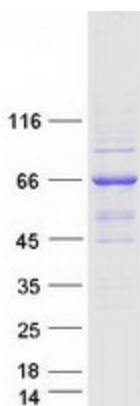
Storage: Store at -80°C.



[View online »](#)

Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001070
Locus ID:	7535
UniProt ID:	P43403
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]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified ZAP70 protein (Cat# [TP308838]). The protein was produced from HEK293T cells transfected with ZAP70 cDNA clone (Cat# [RC208838]) using MegaTran 2.0 (Cat# [TT210002]).