

Product datasheet for TP308838M

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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208838 representing NM_001079 Red =Cloning site Green =Tags(s)

MPDPA AHL PFFYGSISR AEAEEHLKLAGMADGLFLLRQCLRSLGGYVLSLVHDVRFHHFPIERQLNGTYA
IAGGKAHCGPAELCEFYSRDPDGLPCNLRKPCNRPSGLEPQPGVDFCLRDAMVRDYVRQTWKLEGEALEQ
AII SQAPQVEKLIATTAHERMPWYHSSLTREEAERKLYSGAQTGDKFLLRPRKEQGTYALS LIYGKTVYH
YLISQDKAGKYCIPEGTKFDTLWQLVEYLK LKADGLIYCLKEACPNSSASNASGAAAPTLP AHPSTLTHP
QRRIDTLNSDGYTPEPARITSPDKPRPMPMDTSVYESPYS DPEELKDKKFLKRDNLLIADIELGCGNFG
SVRQGVYRMRKKQIDVAIKVLKQGTEKADTEEMMREAQIMHQLDNPYIVRLIGVCQAEALMLVMEMAGGG
PLHKFLVKGREEIPVSNVAELLHQVSMGMKYLEEKNFVHRDLAARNVLLVNRHYAKISDFGLSKALGADD
SYYTARSAGKWPLKWYAPECINFRKFSSRS DVWSYGV TMWEALSYGQKPYKKMKGPEVMAFIEQGRMEC
PPECPELYALMSDCWIYKWEDRPDFTLVEQRMRACYSSLASKVEGPPGSTQKAEAAACA

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

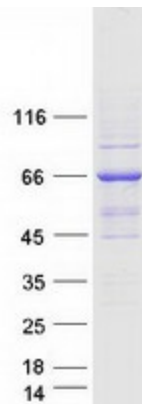
Tag:	C-Myc/DDK
Predicted MW:	69.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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]).