

Product datasheet for **TP316092M**

ITK (NM_005546) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human IL2-inducible T-cell kinase (ITK), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC216092 representing NM_005546
Red=Cloning site **Green**=Tags(s)

MNNFILLEEQLIKKSQQKRRTSPSNFKVRFVLTAKSLAYFEDRHGKRTLKGSIELSRIKCVEIVKSDI
SIPCHYKYPFQVVDNYLLYVFAPDRESRQRWVLALKEETRNNNSLVPKYHPNFWMDGKWRCCSQLEKLA
TGCAQYDPTKNASKKPLPPTPEDNRRPLWEPEETVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWR
VQDRNGHEGYVPSSYLVEKSPNNLETYEWYNKSISRDKAEKLLDGTGKEGAFMVRDSRTAGTYTVSVFTK
AVSENNPCIKHYHIKETNDNPKRYVAEKYVFDSIPLINHYQHNGGGLVTRLRYPVCFGRQKAPVTAG
LRYGKWWIDPSELTQVQEIQSGQFGLVHLGYWLNKDKVAIKTIREGAMSEEDFIEEAEMMKLSHPKLVQ
LYGVCLEQAPICLVFEFMEHGCLSDYLRTQRGLFAAETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLV
GENQVIKVSDFGMTRFVLDQYTSSTGTFKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFESEKIPYE
NRSNSEVVEDISTGFRLYKPRLASTHVYQIMNHCWKERPEDRPAFSLRLRQLAEIAESGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

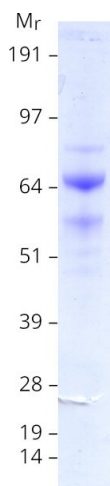
Tag: C-Myc/DDK
Predicted MW: 71.7 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity 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_005537
Locus ID:	3702
UniProt ID:	Q08881
RefSeq Size:	4366
Cytogenetics:	5q33.3
RefSeq ORF:	1860
Synonyms:	EMT; LPFS1; LYK; PSCTK2
Summary:	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Chemokine signaling pathway, Leukocyte transendothelial migration, T cell receptor signaling pathway

Product images:



Coomassie blue staining of purified ITK protein (Cat# [TP316092]). The protein was produced from HEK293T cells transfected with ITK cDNA clone (Cat# [RC216092]) using MegaTran 2.0 (Cat# [TT210002]).