

Product datasheet for **TP316092**

ITK (NM_005546) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human IL2-inducible T-cell kinase (ITK), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216092 representing NM_005546 Red =Cloning site Green =Tags(s)

MNNFILLEEQLIKKSQQKRRTSPSNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELSRIKCVEIVKSDI
SIPCHYKYPFQVVDNYLLYVFAPDRESRQRWVLALKEETRNNNSLVPKYHPNFWMDGKWRCCSQLEKLA
TGCAQYDPTKNASKKPLPPTPEDNRRPLWEPEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWR
VQDRNGHEGYVPSSYLVEKSPNNLETYEWYNKSISRDKAEKLLDGTGKEGAFMVRDSRTAGTYTVSVFTK
AVVSENNPCIKHYHIKETNDNPKRYVAEKYVFDSIPLLINYHQHNGGGLVTRLRYPVCFGRQKAPVTAG
LRYGKWWIDPSELTQVQEGSGQFGLVHLGYWLNKDKVAIKTIREGAMSEEDFIEEAEMMKLSHPKLVQ
LYGVCLEQAPICLVFEFMEHGCSDYLRTQRGLFAAETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLV
GENQVIKVSDFGMTRFVLDQYTSSTGTFKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFESEKIPYE
NRSNSEVVEDISTGFRLYKPRLASTHVYQIMNHCWKERPEDRPAFSRLLRQLAEIAESGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

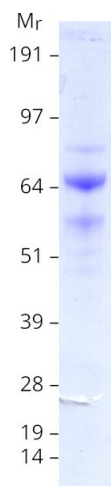
Tag:	C-Myc/DDK
Predicted MW:	71.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



[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:	<u>NP_005537</u>
Locus ID:	3702
UniProt ID:	<u>Q08881</u>
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]).