

Product datasheet for PH316092

ITK (NM_005546) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ITK MS Standard C13 and N15-labeled recombinant protein (NP_005537)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216092
Predicted MW:	71.7 kDa
Protein Sequence:	>RC216092 representing NM_005546 Red=Cloning site Green=Tags(s)

MNNFILLLEEQLIKKSQQKRRTPSPNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELSRIKCVEIVKSDI
SIPCHYKYPFQVVHDNYLLYVFPDRESRQRWVLAKEETRNNNSLVPKYHPNFWMDGKWCCSQLEKLA
TGCAQYDPTKNASKKPLPPTPEDNRRPLWEPEETVVIALYDYQTNDPQELALRRNEEYCLLDSSIEHWWR
VQDRNGHEGYVPSSYLVEKSPNNLETYEWYKNSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTTSVFTK
AVVSENNPCIKHYHIKETNDNPKRYVAEKYVFDIPLLYNYHQHNGGGLVTRLRYPVCFGRQKAPVTAG
LRYGKWWIDPSELTFVQIEIGSQFGLVHLGYLWLNKDKVAIKTIREGAMSEEDFIEEAEMMKLSHPKLVQ
LYGVCLEQAPICLVFEFMEHGCLSDYLRTQRGLFAAETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLV
GENQVIKVSDFGMTRFVLDQYTSSTGTFKFPVKWASPEVFSF SRYSSKSDVWSFGVLMWEVVFSEGKIPYE
NRSNSEVVEDISTGFRLYKPRLASTHVYQIMNHCWKERPEDRPAFSRLLRQLAEIAESGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005537
RefSeq Size:	4366
RefSeq ORF:	1860



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Synonyms: EMT; LPFS1; LYK; PSCTK2

Locus ID: 3702

UniProt ID: [Q08881](#)

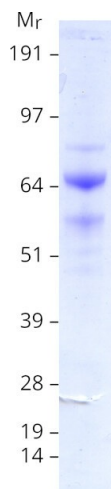
Cytogenetics: 5q33.3

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]).