

Product datasheet for PH300413

SYK (NM_003177) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SYK MS Standard C13 and N15-labeled recombinant protein (NP_003168)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200413
Predicted MW:	71.9 kDa
Protein Sequence:	>RC200413 representing NM_003177 Red=Cloning site Green=Tags(s)

MASSGMADSANHLPFFFGNITREEAEDYLVQGGMSDGLYLLRQSRNYLGGFALSVAHGRKAHHYTIEREL
NGTYAIIAGGRTHASPADLCHYHSQESDGLVCLLKPFNRPQGVQPKTGPFEDLKENLIREYVKQTWNLQG
QALEQAIISQKPQLEKLIATTAHEKMPWFHGKISREESEQIVLIGSKTNGKFLIRARDNNGSYALCLLHE
GKVLHYRIDKDKTGKLSIPEGKKFDTLWQLVEHYSYKADGLLRVLTVPQKIGTQGNVNFGGRPQLPGSH
PATWSAGGIISRIKSYSPKPGHRKSSPAQGNRQESTVSFNPEPELAPWAADKGPQREALPMDTEVYES
PYADPEEIRPKEVYLDKLLTLEDKELGSGNFGTVKKGYYQMKVVKTVAVKILKNEANDPALKDELLAE
ANVMQQLDNPYIVRMIGICEAESWMLVMEAEGLNPKYLQQRHVKDKNIIELVHQVSMGMKYLEESNF
VHRDLAARNVLLVTQHYAKISDFGLSKALRADENYYKAQTHGKWPVKWYAPECINYYKFSKSDVWSFGV
LMWEAFSYGQKPYRGMKGSEVTAMLEKGERMGCPAGCPREMYDLMNLCWTYDVENRPGFAAVELRLRNYY
YDVVN

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_003168
RefSeq Size:	2672



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RefSeq ORF: 1905

Synonyms: IMD82; p72-Syk

Locus ID: 6850

UniProt ID: [P43405](#), [A0A024R244](#)

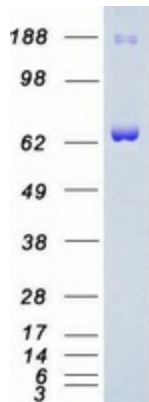
Cytogenetics: 9q22.2

Summary: This gene encodes a member of the family of non-receptor type Tyr protein kinases. This protein is widely expressed in hematopoietic cells and is involved in coupling activated immunoreceptors to downstream signaling events that mediate diverse cellular responses, including proliferation, differentiation, and phagocytosis. It is thought to be a modulator of epithelial cell growth and a potential tumour suppressor in human breast carcinomas. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2010]

Protein Families: Druggable Genome, Protein Kinase

Protein Pathways: B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Natural killer cell mediated cytotoxicity

Product images:



Coomassie blue staining of purified SYK protein (Cat# [TP300413]). The protein was produced from HEK293T cells transfected with SYK cDNA clone (Cat# [RC200413]) using MegaTran 2.0 (Cat# [TT210002]).