

Recombinant Human SYK Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SYK-030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYK MS Standard C13 and N15-labeled recombinant protein (NP_003168) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	71.9 kDa
AA Sequence	MASSGMADSANHLPFFFGNITREEAEDYLVQGGMSDGLYLLRQSRNYLGGFALSVA HGRKAHHYTIERELNGTYAIAGGRTHASPADLCHYHSQESDGLVCLLKKPFNRPQG VQPKTGPFEDLKENLIREYVKQTWNLQGQALEQAIISQKPQLEKLIATTAHEKMPWF HGKISREESEQIVLIGSKTNGKFLIRARDNNGSYALCLLHEGKVLHYRIDKDKTGKLSI PEGKKFDTLWQLVEHYSYKADGLLRVLTVPQCQKIGTQGNVNFGGRPQLPGSHPAT WSAGGIISRIKSYSFPPKPGHRKSSPAQGNRQESTVSFNPYEPELAPWAADKGPQRE

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ALPMDTEVYESPYADPEEIRPKEVYLDRKLLTLEDKELGSGNFGTVKKGYYQMKKVV
 KTVAVKILKNEANDPALKDELLAEANVMQQLDNPYIVRMIGICEAESWMLVMEMAEL
 GPLNKYLQQRHVKDKNIIELVHQVSMGMKYLEESNFVHRDLAARNVLLVTQHYAKI
 SDFGLSKALRADENYYKAQTHGKWPVKWYAPECINYYKFSSKSDVWSFGVLMWEA
 FSYGQKPYRGMKGSEVTAMLEKGERMGCPAGCPREMYDLMNLCWTYDVENRPG
 FAAVELRLRNYYYDVVNTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SYK spleen associated tyrosine kinase [Homo sapiens (human)]

Official Symbol SYK

Synonyms SYK; spleen associated tyrosine kinase; p72-Syk; tyrosine-protein kinase SYK; spleen tyrosine kinase; EC 2.7.10.2

Gene ID 6850

mRNA Refseq NM_003177

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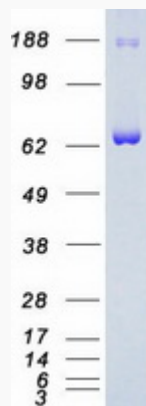
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Protein Refseq NP_003168

MIM 600085

UniProt ID P43405

SDS-PAGE



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