

Recombinant Full Length Human SYK Protein, C-Flag-tagged

Cat. No. SYK-376HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SYK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	71.9 kDa
AA Sequence	MASSGMADSANHLPFFFGNITREEAEDYLVQGGMSDGLYLLRQSRNYLGGFALSVA HGRKAHHYTIEREL NGTYAIAGGRTHASPADLCHYHSQESDGLVCLLKKPFNRPQG VQPKTGPFEDLKENLIREYVKQWTWNLQG QALEQAIISQKPQLEKLIATTAHEKMPWF HGKISREESEQIVLIGSKTNGKFLIRARDNNGSYALCLLHE GKVLHYRIDKDKTGKLSI PEGKKFDTLWQLVEHYSYKADGLLRVLTVPCQKIGTQGNVNFGRPQLPGSH PAT WSAGGIISRIKSYSFPKPGHRKSSPAQGNRQESTVSFNPYEPELAPWAADKGPQRE

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ALPMDTEVYES PYADPEEIRPKEVYLDRKLLTLEDKELGSGNFGTVKKGYYQMKKV
 VKTVAVKILKNEANDPALKDELLAE ANVMQQLDNPYIVRMIGICEAESWMLVMEMAE
 LGPLNKYLQQNRHVKDKNIIELVHQVSMGMKYLEESNF VHRDLAARNVLLVTQHYA
 KISDFGLSKALRADENYYKAQTHGKWPVKWYAPECINYYKFSSKSDVWSFGV LMW
 EAFSYGQKPYRGMKGSEVTAMLEKGERMGCPAGCPREMYDLMNLCWTYDVENRP
 GFAAVELRLRNYY
 YDVVNTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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
Full Length	Full L.

GENE INFORMATION

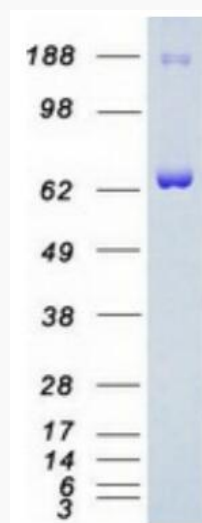
Gene Name SYK spleen associated tyrosine kinase [Homo sapiens (human)]

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Official Symbol	SYK
Synonyms	IMD82; p72-Syk
Gene ID	6850
mRNA Refseq	NM_003177.7
Protein Refseq	NP_003168.2
MIM	600085
UniProt ID	P43405



Coomassie blue staining of purified SYK protein.