

## Product datasheet for TP300413

### SYK (NM\_003177) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human spleen tyrosine kinase (SYK), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200413 representing NM_003177 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASSGMADSANHLPPFFGNITREEAEDYLVQGGMSDGLYLLRQSRNYLGGFALSVAHGRKAHHYTIEREL  
NGTYAIAGGRTHASPADLCHYHSQESDGLVCLLKKPFNRPQGVQPKTGFEDLKENLIREYVKQTWNLQ  
G

QALEQAIISQKPQLEKLIATTAHEKMPWFHGKISRSESEQIVLIGSKTNGKFLIRARDNNGSYALCLLHE  
GKVLHYRIDKDKTGKLSIPEGKKFDLWQLVEHYSYKADGLLRVLTVPKQIGTQGNVNFGRPQLPGSH  
PATWSAGGIISRIKSYSFPKPGHRKSSPAQGNRQESTVSFNPYEPELAPWAADKGPQREALPMDTEVYES  
PYADPEEIRPKEVYLDKLLTLEDKELGSGNFGTVKKGYYQMKKVVKTAVKILKNEANDPALKDELLAE  
ANVMQQLDNPYIVRMIGICEAESWMLVMEMAELGPLNKYLQQRHVKDKNIILVHQVSMGMKYLEES  
NF  
VHRDLAARNVLLVTQHYAKISDFGLSKALRADENYYKAQTHGKWPVKWYAPECINYYKFSSKSDVWSFGV  
LMWEAFSYGQKPYRGMKGSEVTAMLEKGERMGCPAGCPREMYDLMNLCWTYDVENRPGFAAVELRLR  
NYY  
YDVVN

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

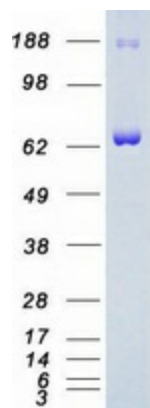
Tag:	C-Myc/DDK
Predicted MW:	71.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_003168</a>
<b>Locus ID:</b>	6850
<b>UniProt ID:</b>	<a href="#">P43405</a>
<b>RefSeq Size:</b>	2672
<b>Cytogenetics:</b>	9q22.2
<b>RefSeq ORF:</b>	1905
<b>Synonyms:</b>	IMD82; p72-Syk
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	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]).