

Recombinant Human Spleen tyrosine kinase/SYK Protein

Catalog No.: RP03357LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	6850	P43405

Tags

No tag

Synonyms

SYK; p72-Syk; Spleen tyrosine kinase;
Tyrosine-protein kinase SYK

Product Information

Source	Purification
Baculovirus-Insect Cells	> 90% by SDS-PAGE and HPLC

Calculated MW	Observed MW
32.5 kDa	25-30 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method

Formulation

Supplied as a 0.22 μm filtered solution in 20 mM Tris-HCl, 150 mM NaCl, 10% glycerol, 2 mM DTT (pH 8.0). Contact us for customized product form or formulation.

Reconstitution

Please use running water to thaw it quickly.

Contact

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Background

Tyrosine-protein kinase SYK, also known as spleen tyrosine kinase, is encoded by the SYK gene. SYK, along with ZAP70, is a member of the Syk family of tyrosine kinases. These cytoplasmic non-receptor tyrosine kinases share a characteristic dual SH2 domain separated by a linker domain. While Syk and ZAP70 are primarily expressed in hematopoietic tissues, a variety of tissues express Syk. Within B and T cells, respectively, Syk and ZAP70 transmit signals from the B-cell receptor and T-cell receptor. Syk plays a similar role in transmitting signals from a variety of cell surface receptors including CD74, Fc receptor, and integrins. Abnormal function of Syk has been implicated in several instances of hematopoietic malignancies including translocations involving Itk and Tel.

Basic Information

Description

Recombinant Human Spleen tyrosine kinase/SYK Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Glu356-Asn635) of Human SYK (Accession #P43405) fused with No tag.

Bio-Activity

The activity of SYK is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

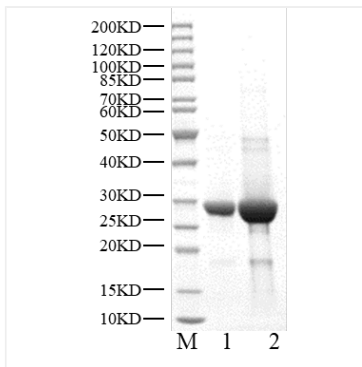
Storage

Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

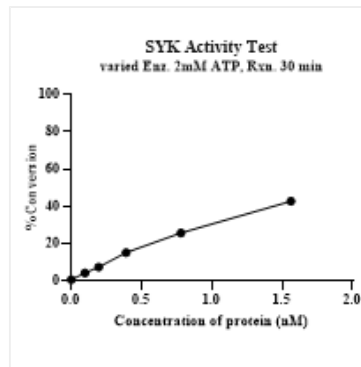
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.

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Validation Data



Recombinant Human Spleen tyrosine kinase/SYK Protein was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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