Recombinant Human Spleen tyrosine kinase/SYK Kinase

Catalog No.: RP03357LQ

Sequence Information

Species
Human

Gene ID
6850

Swiss Prot
P43405

Tags
No tag

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

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
32.5 kDa

Observed MW
25-30 kDa

Endotoxin
< 1 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.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

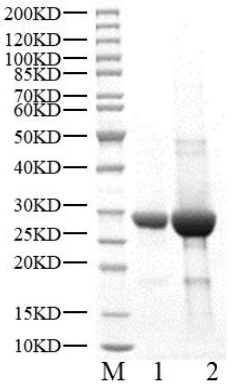
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

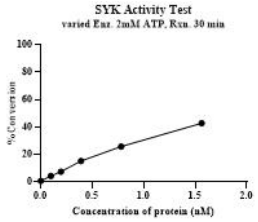
400-999-6126
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human Spleen tyrosine kinase/SYK Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



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