

Recombinant Human LYNB, GST-tagged, Active

Cat. No. LYNB-345H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human LYN B was expressed by baculovirus in Sf9 insect cell using an N-terminal GST tag. MW=85kDa.
Species	Human
Source	Sf9 Cells
Description	LYN is a 56 kd tyrosine kinase that is similar to mouse T-lymphocyte-specific tyrosine kinase p56lck, v-src, v-fgr and v-yes and is expressed in a variety of tissues. LYN is expressed preferentially in B cells and can be coimmunoprecipitated with IgM suggesting that LYN is physically associated with membrane-bound IgM, and participates in antigen-mediated signal transduction. Crosslinking of membrane-bound IgM with antibody induces rapid increase in activities of LYN and LYN-associated phosphatidylinositol 3-kinase.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	LYN v-yes-1 Yamaguchi sarcoma viral related oncogene homolog [Homo sapiens]
Synonyms	LYN; v-yes-1 Yamaguchi sarcoma viral related oncogene homolog; JTK8; FLJ26625; Yamaguchi sarcoma viral (v-yes-1) related oncogene homolog; EC 2.7.10.2
Gene ID	4067
mRNA Refseq	NM_001111097
Protein Refseq	NP_001104567
MIM	165120
UniProt ID	P07948
Chromosome Location	8q13
Pathway	B cell receptor signaling pathway; Chemokine signaling pathway; Epithelial cell signaling in Helicobacter pylori infection; Fc epsilon RI signaling pathway; Fc gamma R-mediated phagocytosis; Hemostasis; Signaling in Immune system; Fc epsilon RI signaling pathway
Function	ATP binding; glycosphingolipid binding; integrin binding; non-membrane spanning protein tyrosine kinase activity; phosphoprotein binding; platelet-derived growth factor receptor binding; receptor signaling protein tyrosine kinase activity; transferase activity; ubiquitin protein ligase binding

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