

Lyn B, Active recombinant protein

Lyn B

Catalog # PBV11291r

Specification

Lyn B, Active recombinant protein - Product info

| | |
|-------------------|--------------------------|
| Primary Accession | BC059394 |
| Concentration | 0.1 |
| Calculated MW | 85.0 kDa KDa |

Lyn B, Active recombinant protein - Additional Info

| | |
|--------------------|--------------|
| Gene ID | 4067 |
| Gene Symbol | Lyn B |
| Other Names | |
| Lyn B | |

| | |
|----------------|---------------------------------------|
| Source | Baculovirus (Sf9 insect cells) |
| Assay&Purity | SDS-PAGE; ≥90% |
| Assay2&Purity2 | HPLC; |
| Recombinant | Yes |
| Format | |
| Liquid | |

Storage

-80°C; Recombinant proteins in storage buffer (50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM EGTA, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol).

Lyn B, Active recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lyn B, Active recombinant protein - Images**Lyn B, Active recombinant protein - Background**

Lyn is a 56 kd tyrosine kinase that is similar to mouse T-lymphocyte-specific tyrosine kinase p56lck and the v-yes protein as well as to the gene products of v-fgr and v-src. Northern hybridization analysis showed that a 3.2-kilobase Lyn mRNA was expressed in a variety of tissues of the human fetus (1). 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 (2). Crosslinking of membrane-bound IgM with antibody induces rapid increase in activities of Lyn and Lyn-associated phosphatidylinositol 3-kinase (3). Crosslinking of B-cell antigen receptor also induces association of Lyn with an 85-kDa noncatalytic subunit of phosphatidylinositol 3-kinase. Thus, Lyn is functionally associated with membrane-bound IgM and participates in B-cell antigen receptor-mediated signaling.