

# Active Recombinant Full Length Human FYN Protein, GST tagged

**Cat. No.** FYN-322H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant full-length human FYN isoform A was expressed by baculovirus in Sf9 insect cells using an N terminal GST tag. The gene accession number is NM_002037.                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | Insect Cells                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-537 aa                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | This gene is a member of the protein-tyrosine kinase oncogene family. It encodes a membrane-associated tyrosine kinase that has been implicated in the control of cell growth. The protein associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. Alternatively spliced transcript variants encoding distinct isoforms exist. |
| <b>Form</b>             | Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25 % glycerol.                                                                                                                                                                                                                                               |
| <b>Bio-activity</b>     | Specific Activity: 103 nmol/min/mg                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>          | Store product at –70 centigrade. 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. Stability: 1 year at –70 centigrade from date of shipment.                                                                         |

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**Concentration** 0.1 µg/µL

**Shipping** Dry ice

## GENE INFORMATION

**Gene Name** FYN FYN proto-oncogene, Src family tyrosine kinase [ Homo sapiens (human) ]

**Official Symbol** FYN

**Synonyms** FYN; FYN oncogene related to SRC, FGR, YES; tyrosine-protein kinase Fyn; MGC45350; SLK; SYN; src-like kinase; proto-oncogene Syn; c-syn protooncogene; proto-oncogene c-Fyn; src/yes-related novel; tyrosine kinase p59fyn(T); OKT3-induced calcium influx regulator; p59-FYN

**Gene ID** 2534

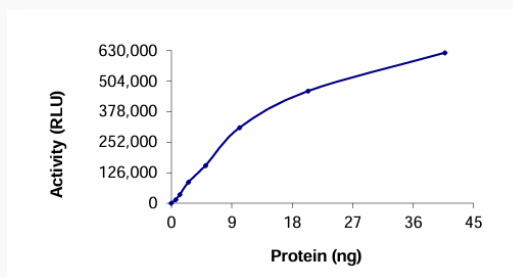
**mRNA Refseq** NM\_002037

**Protein Refseq** NP\_002028

**MIM** 137025

**UniProt ID** P06241

## Activity



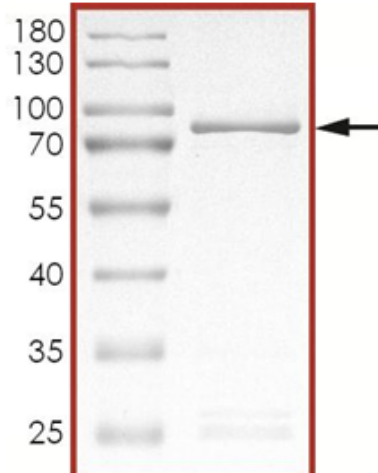
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The specific activity of FYN A was determined to be 103 nmol/min/mg as per activity assay protocol and was equivalent to 154 nmol/min/mg as per radiometric assay.

#### Purity



The purity of FYN A was determined to be > 90 % by densitometry. Observed MW ~85 kDa. Calculated MW ~85 kDa.

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