

Active Recombinant Full Length Human FYN Protein, GST tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Insect Cells
ProteinLength	1-537 aa
Description	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.
Form	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.
Bio-activity	Specific Activity: 103 nmol/min/mg
Storage	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

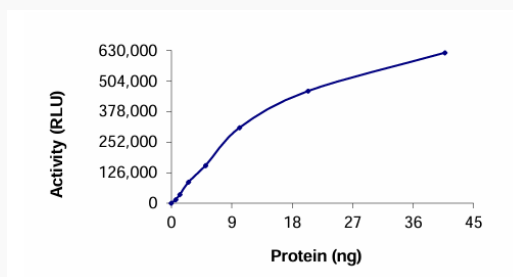
mRNA Refseq NM_002037

Protein Refseq NP_002028

MIM 137025

UniProt ID P06241

Activity



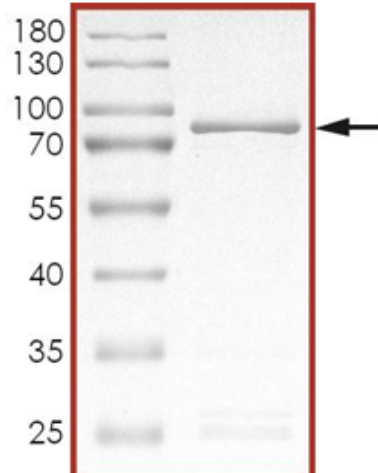
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The specific activity of FYN A was determined to be 103 nmol/min/mg as per activity assay protocol and was equivalent to 154 nmol/min/mg as per radiometric assay.

Purity



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