

Recombinant Human FYN

Cat. No. FYN-28958TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Fyn protein with an N-terminal tag, expressed by baculovirus in Sf9 insect cells. MW ~85kDa.
Species	Human
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.
Tissue specificity	Isoform 1 is highly expressed in the brain. Isoform 2 is expressed in cells of hemopoietic lineages, especially T lymphocytes.
Biological activity	Specific activity: 166nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence	Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC

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Similarities	subfamily.Contains 1 protein kinase domain.Contains 1 SH2 domain.Contains 1 SH3 domain.
Full Length	Full L.
GENE INFORMATION	
Gene Name	FYN FYN oncogene related to SRC, FGR, YES [Homo sapiens]
Official Symbol	FYN
Synonyms	FYN; FYN oncogene related to SRC, FGR, YES; tyrosine-protein kinase Fyn; MGC45350; SLK; SYN;
Gene ID	2534
mRNA Refseq	NM_002037
Protein Refseq	NP_002028
MIM	137025
Uniprot ID	P06241
Chromosome Location	6q21
Pathway	Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha-synuclein signaling, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem;

Function

ATP binding; ephrin receptor binding; glycoprotein binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity;

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