Recombinant Human FYN Oncogene Related To SRC, FGR, YES

Cat. No. FYN-217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FYN was expressed in E.coli, MW=50 kDa.
Species	Human
Source	E.coli
Description	p59-Fyn is a member of the protein-tyrosine kinase oncogene family. p59fyn is a membrane-associated non-receptor protein tyrosine kinase that belongs to the Src-family of kinases. p59-Fyn encodes a membrane-associated tyrosine kinase which is implicated in the control of cell growth. p59-Fyn associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. The unique N-terminal domain of p59fyn interacts with the CD3 and eta chains of the TcR. p59fyn can bind other proteins (p82 and p116) through its SH2 and SH3 domains, which may act as substrates or regulators of fyn activity. p59fyn is highly expressed in brain suggesting that it may have a role in the sensory nervous network and in myelination at early stages of CNS formation. Distinct isoforms exist due to alternative splicing.
Physical Appearance	Sterile Filtered clear solution.
Formulation	p59-Fyn at 100μg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Applications	ELISA • Inhibition Assays • Western Blotting.
Purity	Proprietary chromatographic techniques and SDS-PAGE.

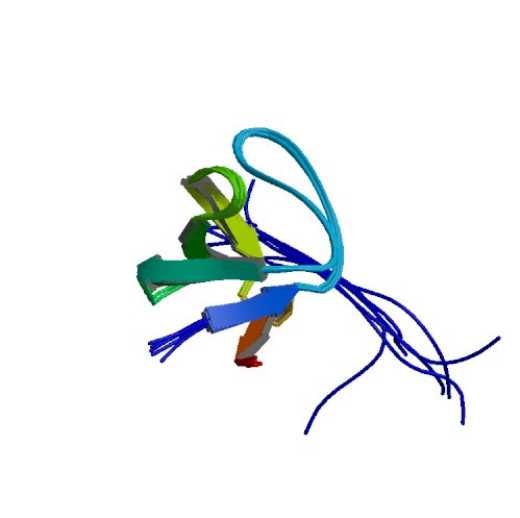
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Stability	Store vial at -20℃ to -80℃. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	FYN FYN oncogene related to SRC, FGR, YES [Homo sapiens]
Synonyms	FYN; FYN oncogene related to SRC, FGR, YES; SLK; SYN; MGC45350; src-like kinase; OTTHUMP00000017917; c-syn protooncogene; src/yes-related novel; tyrosine kinase p59fyn(T); protein-tyrosine kinase fyn; OKT3-induced calcium influx regulator; Proto-oncogene tyrosine-protein kinase Fyn; EC 2.7.10.2; p59-Fyn; Protooncogene Syn; OTTHUMP00000017914; OTTHUMP00000017915
Gene ID	2534
mRNA Refseq	NM_002037
Protein Refseq	NP_002028
MIM	137025
UniProt ID	P06241
Chromosome Location	6q21
Pathway	Adherens junction; Axon guidance; Fc epsilon RI signaling pathway; Focal adhesion; Natural killer cell mediated cytotoxicity; Pathogenic Escherichia coli infection; Prion diseases; T cell receptor signaling pathway; Axon guidance; HIV Infection; Hemostasis; Signaling in Immune system

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Function	ATP binding; glycoprotein binding; identical protein binding; manganese ion binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; transferase activity; tubulin binding
PDB rendering based on 1a0n.	

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