

Active Recombinant Full Length Human FYN Protein, C-Flag-tagged

Cat. No. FYN-822HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FYN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	FYN activity verified in a biochemical assay: FYN (FYN oncogene related to SRC, FGR, YES) activity was measured in a homogeneous time-resolved fluorescent (HTRF®) assay. FYN is a non-receptor tyrosine kinase and is a member of the Src kinase family consisting of Src, Fyn, Yes, Lck, Lyn, Hck, Fgr and Blk. Varying concentrations of FYN were added to a reaction mix containing ATP and a biotinylated kinase substrate and the reaction mixture was incubated to allow the protein to phosphorylate the substrate. HTRF detection reagents were then added, and the time-resolved fluorescent signal was measured on a Flexstation 3 microplate

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reader. The time resolved fluorescent signal is expressed as “delta R” or “&DeltaR” and is a ratio calculated from the fluorescent emission intensities of the donor and acceptor fluors.

Molecular Mass	60.6 kDa
AA Sequence	MGCVQCKDKEATKLTEERDGS LNQSSGYRYGTDPTPQHYP SFGVTSIPNYNNFHA AGGQGLTVFGGVNSS SHTGTLRTRGGTGVTLFVALYDYEARTEDDLSFHKGEKFQI LNSSEGDWWEARSLTTGETGYIPSNYVAP VDSIQAE EWYFGKLGRKDAERQLLSF GNPRGTFLIRESETTKGAYSL SIRDWDDMKGDHVKHYKIRKLDN GGYITTRAQFET LQQLVQHYSERAA GLCCRLVVPCHKGMPRLTDL SVKTKDVWEIPRESLQLIKRLGN G QFGEVWMGTWNGNTKVAIKTLKPGTMSPE SFL EEAQIMKKLKHDKLVQLYAVVS EEPIYIVTEYMNKGSL LDFLKDGEGRALKLPNLVDMAAQVAAGMAYIERMNYIHRDL RSANILVGNG LICKIADFG LARLIEDNEY TARQGAKFPIKWT APEAALYGRFTIKSDV WSFGILLTELVT KGRVPYPGMNNREVLEQVERGYRMPC PQD CPISLHELM IHCWKKDPEERPTFEYLQSFLEDYFTATEPQYQPGENLTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	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, Viral myocarditis
Full Length	Full L.

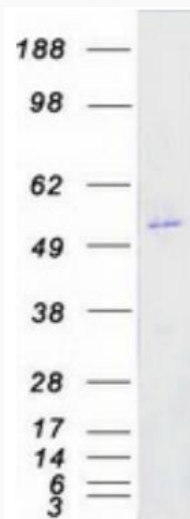
GENE INFORMATION

Gene Name	FYN FYN proto-oncogene, Src family tyrosine kinase [Homo sapiens (human)]
Official Symbol	FYN
Synonyms	SLK; SYN; p59-FYN
Gene ID	2534
mRNA Refseq	NM_002037.5
Protein Refseq	NP_002028.1
MIM	137025
UniProt ID	P06241

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Coomassie blue staining of purified FYN protein.

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