

Product datasheet for **TP324691L**

FYN (NM_002037) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FYN oncogene related to SRC, FGR, YES (FYN), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224691 representing NM_002037 Red =Cloning site Green =Tags(s)

MGCVQCKDKEATKLT EERDGS LNQSSGYRYGTDPTPQHYP SFGVTSIPNYNNFHAAGGQGLTVFGGVNSS
SHTGTLRTRGGTGVTLFVALYDYEARTEDDLSFHKGEKFQILNSSEGDWWEARSLTTGETGYIPSNYVAP
VDSIQAE EWYFGKLRKDAERQLLSFGNPRGTF LIRES ETTKGAYSLSIRDWDDMKGDHVKHYKIRKLDN
GGYYITTRAQFETLQQLVQHYSERAAAGLCCRLV PCHKGMPRLTDLSVKTKDVWEIPRESLQLIKRLGNG
QFGEVWMGTWNGNTKVAIKTLKPGTMSPE SFL EEAQIMKKLKHDKLVQLYAVVSEEPYIVTEYMNKGSL
LDFLKDGEGRALKLPNLVDMAAQVAAGMAYIERMNYIHRDLRSANILVGNGLICKIADFLARLIEDNEY
TARQGAKFPIKWTAP EAALYGRFTIKSDVWSFGILLTELVTKGRVPYPGMNNREVLEQVERGYRMPCPQD
CPISLHELMIH CWKKDPEERPTFEYLQSFLEDYFTATEPQYQPGENL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

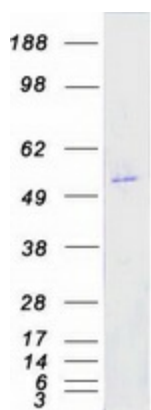
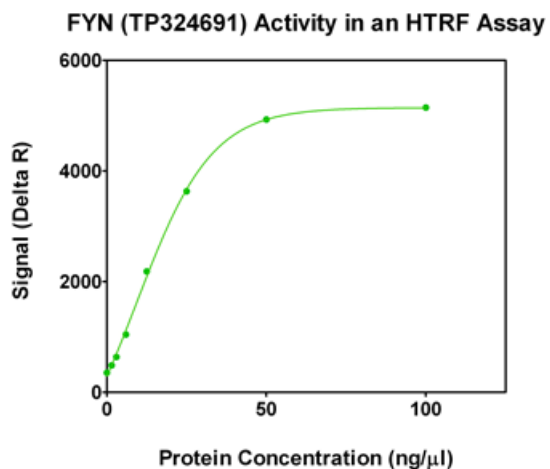
Tag:	C-Myc/DDK
Predicted MW:	60.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Bioactivity:	FYN activity verified in a biochemical assay: FYN (FYN oncogene related to SRC, FGR, YES) (TP324691) 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 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.
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002028
Locus ID:	2534
UniProt ID:	P06241
RefSeq Size:	2650
Cytogenetics:	6q21
RefSeq ORF:	1611
Synonyms:	p59-FYN; SLK; SYN
Summary:	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. [provided by RefSeq, Jul 2008]
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

Product images:



Coomassie blue staining of purified FYN protein (Cat# [TP324691]). The protein was produced from HEK293T cells transfected with FYN cDNA clone (Cat# [RC224691]) using MegaTran 2.0 (Cat# [TT210002]).