

## Product datasheet for **TP324691M**

### **FYN (NM\_002037) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human FYN oncogene related to SRC, FGR, YES (FYN), transcript variant 1, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC224691 representing NM_002037 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGCVQCKDKEATKLTTEERDGSNLQSSGYRYGTDPTPQHYPSTGVTIPNYNNFHAAGGQGLTVFGGVNSS  
SHTGTLRTRGGTGVTLFVALYDYEARTEDDLSFHKGEKFQILNSSEGDWWEARSLTTGETGYIPSNYVAP  
VDSIQAEWYFGKLRKDAERQLLSFGNPRGTFLIRESSETTKGAYSLSIRDWDDMKGDHVKHYKIRKLDN  
GGYYITTRAQFETLQQLVQHYSERAAAGLCCRLVVPCHKGMPLTDLSVKTKDVWEIPRESLQLIKRLGNG  
QFGEVWMGTWNGNTKVAIKTLKPGTMSPEFLAAQIMKKLKHDKLVQLYAVVSEPIYIVTEYMNKGS  
LDFLKDGEGRALKLPNLVDMAAQVAAGMAYIERMNYIHRDLRSANILVGNGLICKIADFLARLIEDNEY  
TARQGAKFPIKWTAPAAALYGRFTIKSDVWSFGILLTELVTKGRVPYPMNREVLEQVERGYRMPCPQD  
CPISLHELMIHCWKKDPEERPTFEYLQSFLEDYFTATEPQYQPGENL

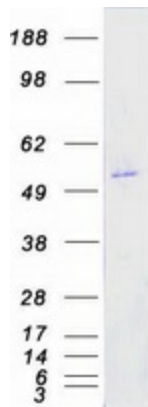
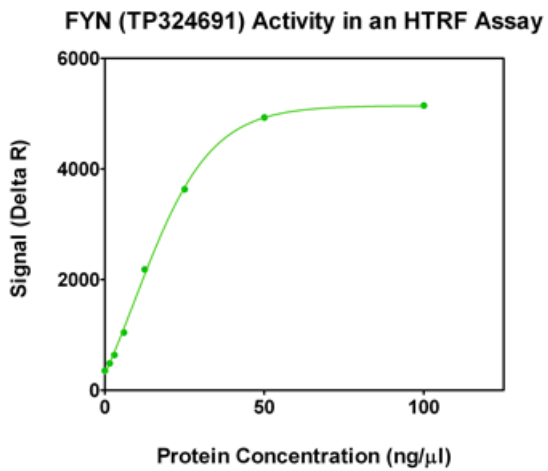
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

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



[View online »](#)

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