

## Recombinant Human LYN, His-tagged

Cat. No. LYN-7218H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human LYN protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>description</b>	Tyrosine-protein kinase Lyn, also known as LYN, is a member of the src family of non-receptor protein tyrosine kinases that is predominantly expressed in haematopoietic tissues. This protein is Involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents. It Induces SAPK by a MKK7- and MEKK1-dependent mechanism. The LYN ->MEKK1 ->MKK7 ->SAPK pathway is functional in the induction of apoptosis by genotoxic agents.
<b>source</b>	E. coli
<b>species</b>	Human
<b>tag</b>	His
<b>form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
<b>molecular mass</b>	61.0 kDa (535aa)

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**aa sequence**

MGSSHHHHH SSGLVPRGSH MGSMGCIKSK GKDSLSDDG V DLKTQPVRNT  
 ERTIYVRDPT SNKQQRVPVE SLLPGQRFQ TKDPEEQGDI VVALYPYDGI  
 HPDDL SFKKG EKMVLEE HG EWWKAKSLT KKEGFIPSNY VAKLNTLETE  
 EWFFKDITRK DAERQLLAPG NSAGAFLIRE SETLKGSFSL SVRDFDPVHG  
 DVIKHYKIRS LDNGGYYISP RITFPCISDM IKHYQKQADG LCRRLEKACI  
 SPKPQKPWDK DAWEIPRESI KLVKRLGAGQ FGEVWMGYYN NSTKVAVKTL  
 KPGTMSVQAF LEEANLMKTL QHDKLVRLYA VVTREEPIYI ITEYMAKGSL  
 LDFLKSDEGG KVLLPKLIDF SAQIAEGMAY IERKNYIHRD LRAANVLVSE  
 SLMCKIADFG LARVIEDNEY TAREGAKFPI KWTAPEAINF GCFTIKSDVW  
 SFGILLYEIV TYGKIPYPGR TNADVMTALS QGYRMPRVEN CPDELYDIMK  
 MCWKEKAEER PTFDYLQSVL DDFYTATEGQ YQQQP

**purity** >90% by SDS - PAGE

**applications** SDS-PAGE

**storage** Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**concentration** 1 mg/ml

## GENE INFORMATION

**gene name** [LYN v-yes-1 Yamaguchi sarcoma viral related oncogene homolog \[ Homo sapiens \]](#)

**official symbol** LYN

**synonyms** LYN; v-yes-1 Yamaguchi sarcoma viral related oncogene homolog; tyrosine-protein kinase Lyn; JTK8; lck/Yes-related novel protein tyrosine kinase; p53Lyn; p56Lyn; FLJ26625;

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<b>Gene ID</b>	4067
<b>mrna refseq</b>	NM_001111097
<b>protein refseq</b>	NP_001104567
<b>mim</b>	165120
<b>uniprot id</b>	P07948
<b>chromosome location</b>	8q13
<b>pathway</b>	Adaptive Immune System, organism-specific biosystem; Alpha-synuclein signaling, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem;
<b>function</b>	ATP binding; SH3 domain binding; enzyme binding; glycosphingolipid binding; integrin binding; ion channel binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; phosphoprotein binding; platelet-derived growth factor receptor binding; protein binding; protein tyrosine kinase activity; receptor signaling protein tyrosine kinase activity; ubiquitin protein ligase binding;

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