

Recombinant Human LYN, His-tagged

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

SPECIFICATION

Product Overview	Recombinant human LYN protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
description	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.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
molecular mass	61.0 kDa (535aa)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

aa sequence

MGSSHHHHHH SSGLVPRGSH MGSMGCIKSK GKDSLSDDG V DLKTQPVRNT
 ERTIYVRDPT SNKQQRVPVE SQLLPGQRFQ TKDPEEQGDI VVALYPYDGI
 HPDDL SFKKG EKMKVLEEHG 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	4067
mrna refseq	NM_001111097
protein refseq	NP_001104567
mim	165120
uniprot id	P07948
chromosome location	8q13
pathway	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;
function	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;