

Recombinant Human V-Yes-1 Yamaguchi Sarcoma Viral Related Oncogene Homolog, His-tagged

Cat. No. LYN-1254H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman full length LYN with C-terminal His tag. LYN is a SRC family kinaseexpressed predominantly in hematopoietic cells.
Species	Human
Source	Insect Cells
Description	LYN is a member ofthe Src family of protein tyrosine kinases, which is mainly expressed inhematopoietic cells, in neural tissues liver, and adipose tissue. In varioushematopoietic cells, LYN has emerged as a key enzyme involved inthe regulation of cell activation. In these cells, a small amount of LYN isassociated with cell surface receptor proteins, including the B cell antigenreceptor (BCR), CD40, or CD19.
Form	Liquid in50 mM Tris, pH 7.5 + 0.05 mM EDTA + 1 mM DTT + 100 mM NaCl + 0.05% NP-40 +50% glycerol.
Molecular Weight	57.4 kDa
Purity	> 95.0% asdetermined by RP-HPLC and SDS-PAGE analyses.
Specific Activity	772 nmoleof phosphate transferred to poly [Glu, Tyr] 4:1 substrate per minute per mgof totalprotein at 30°C.Activity determined at a final protein concentration of 2 µg/ml.

 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

Concentration	0.27mg/ml
Storage	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
Official Symbol	LYN
nullValue_other	Function ubiquitin protein ligase binding; receptor signaling protein tyrosine kinase activity; protein tyrosine kinase activity; protein binding; platelet-derived growth factor receptor binding; phosphoprotein binding; nucleotide binding; non-membrane spanning protein tyrosine kinase activity; ion channel binding; integrin binding; glycosphingolipid binding; SH3 domain binding; ATP binding
Full Length	Full L.

GENE INFORMATION

Gene Name	LYNv-yes-1 Yamaguchi sarcoma viral related oncogene homolog [Homo sapiens]
Synonyms	LYN; v-yes-1 Yamaguchi sarcoma viral related oncogene homolog; JTK8; FLJ26625; Tyrosine-protein kinase Lyn; EC2.7.10.2; Yamaguchi sarcoma viral related oncogene homolog; EC 2.7.10; OTTHUMP00000226393; OTTHUMP00000226394
Gene ID	4067
mRNA Refseq	NM_001111097
Protein Refseq	NP_001104567
MIM	165120
UniProt ID	P07948

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Chromosome Location	8q13
Pathway	Adaptive ImmuneSystem; Alpha-synuclein signaling; B Cell Receptor Signaling Pathway; BCRsignaling pathway; CD28 co-stimulation; CTLA4 inhibitory signaling; CXCR4-mediatedsignaling events; Chemokine signaling pathway; Class I PI3K signaling events;Costimulation by the CD28 family; Cytokine Signaling in Immune system; EPHAforward signaling; EPO signaling pathway; Ephrin B reverse signaling; Epithelialcell signaling in Helicobacter pylori infection; Fc epsilon RI signalingpathway; Fc gamma R-mediated phagocytosis; GPVI-mediated activation cascade; Glypican1 network
PDB rendering basedon 1wa7.	

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