Active Recombinant Human LYNA Protein, His/GST-tagged

Cat. No. LYNA-760H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LYN, full length, amino acids M1-P512 (as in NCBI/Protein entry NP_002341.1), N- terminal GST-HIS6 fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells.
Species	Human
Source	Insect Cells
ProteinLength	1-512 a.a.
Description	This gene encodes a tyrosine protein kinase, which maybe involved in the regulation of mast cell degranulation, and erythroid differentiation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Bio-activity	Specific kinase activity (Pi transfer): 94 pmol/g × min ATP-KM: 1.4 M
Molecular Mass	88.47 kDa
Storage	At -80 centigrade. For complete recovery, mix well and spin before use. Product must not be stored in diluted solutions, aliquots below 10are not advisable. Avoid repeated freeze-thaw cycles!
Concentration	0.222 g/

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Storage Buffer	50 mM TRIS-HCl pH 8.0, 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20 % glycerol
Full Length	Full L.

GENE INFORMATION

Gene Name	LYN LYN proto-oncogene, Src family tyrosine kinase [Homo sapiens (human)]
Official Symbol	LYN
Synonyms	LYN; LYN proto-oncogene, Src family tyrosine kinase; JTK8; p53Lyn; p56Lyn; tyrosine-protein kinase Lyn; lck/Yes-related novel protein tyrosine kinase; v-yes-1 Yamaguchi sarcoma viral related oncogene homolog; EC 2.7.10.2
Gene ID	4067
mRNA Refseq	NM_00235
Protein Refseq	NP_002341
MIM	165120
UniProt ID	P07948

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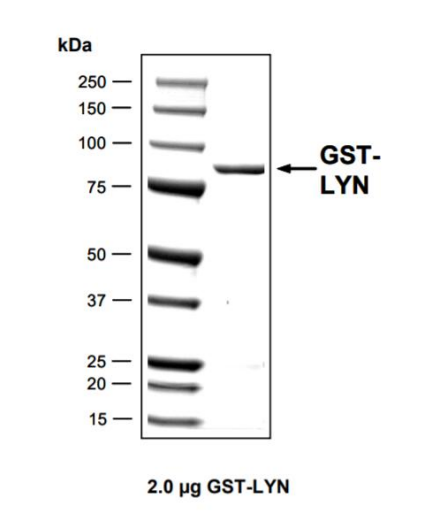
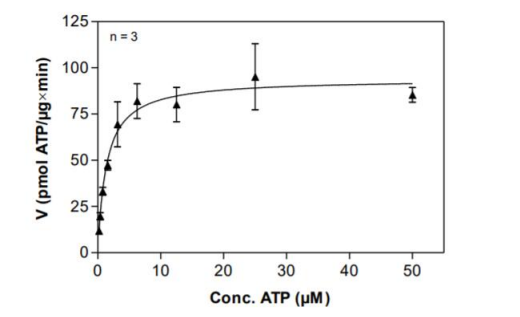
Coomassie stain	
Determination of Vmax and KM value for ATP	 Determination of KM value / Specific activity: • Assay conditions: 60 mM HEPES-NaOH, pH 7.5 3 mM MgCl2 3 mM MnCl2 3 µM Na-orthovanadate 1.2 mM DTT 50 µg/ml PEG20.000

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	ATP (variable) Substrate: Poly(Glu:Tyr)4:1, 40 μg/ml LYN: 1 μg/ml • Filter binding assay MSFC membrane (Millipore)

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