

Recombinant Human LYNA, GST-tagged

Cat. No. LYNA-759H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LYNA protein (Met 1 - Pro 512), fused with the GST tag at the N-terminus, was expressed in <i>Baculovirus</i> .
Species	Human
Source	Insect Cells
Protein Length	1-512 a.a.
Description	V-src-1 Yamaguchi sarcoma viral related oncogene homolog, also known as LYN, is a member of the Src family of protein tyrosine kinases, which is mainly expressed in hematopoietic cells and in neural tissues. In various hematopoietic cells, LYN has emerged as a key enzyme involved in the regulation of cell activation. In these cells, a small amount of LYN is associated with cell surface receptor proteins, including the B cell antigen receptor (BCR), CD40, or CD19. Following engagement of the B cell receptors, LYN undergoes rapid phosphorylation and activation.
Molecular Mass	The recombinant human LYN / GST chimera consists of 736 amino acids and predicts a molecular mass of 84.8 kDa. It migrates as an approximately 75 kDa band in SDS-PAGE under reducing conditions.
Predicted N Terminal	Met.
Purity	> 94% as determined by SDS-PAGE.

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Formulation	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0 , 0.5mM Reduced Glutathione, 10%gly, 0.5mM PMSF.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Storage And Stability	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage and usage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	LYN v-yes-1 Yamaguchi sarcoma viral related oncogene homolog [Homo sapiens]
Synonyms	LYN; v-yes-1 Yamaguchi sarcoma viral related oncogene homolog; JTK8; FLJ26625; Yamaguchi sarcoma viral (v-yes-1) related oncogene homolog; EC 2.7.10.2
Gene ID	4067
mRNA Refseq	NM_001111097
Protein Refseq	NP_001104567
MIM	165120
UniProt ID	P07948
Chromosome Location	8q13

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Pathway	B cell receptor signaling pathway; Chemokine signaling pathway; Epithelial cell signaling in Helicobacter pylori infection; Fc epsilon RI signaling pathway; Fc gamma R-mediated phagocytosis; Hemostasis; Signaling in Immune system; Fc epsilon RI signaling pathway
Function	ATP binding; glycosphingolipid binding; integrin binding; non-membrane spanning protein tyrosine kinase activity; phosphoprotein binding; platelet-derived growth factor receptor binding; receptor signaling protein tyrosine kinase activity; transferase activity; ubiquitin protein ligase binding

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