

LYN A Recombinant Protein | LYNA recombinant protein

LYN A, Active

CATALOG # AAA73647	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

LYN A; Active; JTK8; FLJ26625; LYNA recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for LYNA recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for LYNA recombinant protein	Recombinant full-length human LYN A was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002350. LYN A is a member of the Src-family of protein kinases that participate in signaling pathways of a variety of cell surface receptors and are localized to the cytoplasmic side of the plasma membrane (1). LYN A is biosynthetically transported to the plasma membrane via the Golgi pool of caveolin along the secretory pathway. The trafficking of LYN A from the Golgi apparatus to the plasma membrane is inhibited by deletion of the kinase domain but not by kinase inactivation. The kinase domain of LYN A plays a role in LYN A trafficking besides catalysis of substrate phosphorylation. cDNA microarray analysis revealed that LYN A may be involved in the changes that are related to tumor pathogenesis (2).
Product Categories/Family for LYNA recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Cancer ; Cardiovascular Disease ; Cellular Stress ; Cytoplasmic Tyrosine Kinases ; Inflammation

References

1. Kasahara, K. et al: Trafficking of Lyn through the Golgi caveolin involves the charged residues on alphaE and alphaI helices in the kinase domain. J. Cell Biol., 2004;165(5):641-52.
2. Baran, C.P. et al: The inositol 5'-phosphatase SHIP-1 and the Src kinase Lyn negatively regulate macrophage colony stimulating factor-induced Akt activity. J. Biol. Chem. 2003; 278(40):38628-36

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002350](#)

Molecular Weight

~81kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lyn-a-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73647>