

p59-Fyn Human

Description: p59-Fyn Human Recombinant (a.a. 23-216) expressed in E.coli, shows a 50 kDa SDS-PAGE (Including GST tag). The p59-Fyn is purified by proprietary chromatographic techniques.

Catalog #: PRPS-513

For research use only.

Synonyms: Proto-oncogene tyrosine-protein kinase Fyn, EC 2.7.10.2, p59-Fyn, Protooncogene Syn, SLK, FYN, MGC45350, Fyn p59.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Formulation:

p59-Fyn in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

Stability:

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

ELISA Inhibition Assays Western Blotting.

Introduction:

p59-Fyn is a member of the protein-tyrosine kinase oncogene family. p59fyn is a membrane-associated non-receptor protein tyrosine kinase that belongs to the Src-family of kinases. p59-Fyn encodes a membrane-associated tyrosine kinase which is implicated in the control of cell growth. p59-Fyn associates with the p85 subunit of phosphatidylinositol 3-kinase and interacts with the fyn-binding protein. The unique N-terminal domain of p59fyn interacts with the CD3 and eta chains of the TcR. p59fyn can bind other proteins (p82 and p116) through its SH2 and SH3 domains, which may act as substrates or regulators of fyn activity. p59fyn is highly expressed in brain suggesting that it may have a role in the sensory nervous network and in myelination at early stages of CNS formation. Distinct isoforms exist due to alternative splicing.

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