



Product Datasheet

Product Name	p59-Fyn Human Recombinant
Cata No	CB501122
Source	<i>Escherichia Coli</i> .
Synonyms	Proto-oncogene tyrosine-protein kinase Fyn, EC 2.7.10.2, p59-Fyn, Protooncogene Syn, SLK, FYN, MGC45350, Fyn p59.

Description

p59-Fyn is a member of the protein-tyrosine kinase oncogene family. p59^{fyn} 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 p59^{fyn} interacts with the CD3 and eta chains of the TcR. p59^{fyn} can bind other proteins (p82 and p116) through its SH2 and SH3 domains, which may act as substrates or regulators of fyn activity. p59^{fyn} 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. p59-Fyn Human Recombinant (a.a. 23-216) expressed in E.coli, shows a 50 kDa SDS-PAGE.

The p59-Fyn is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered clear solution.

Formulation

p59-Fyn at 100µg/ml 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.

Applications

- ELISA
- Inhibition Assays
- Western Blotting