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## Product Data Sheet

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Product Name: p59-Fyn Human

Cat. No.: GP23521

Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Proto-oncogene tyrosine-protein kinase Fyn; EC 2.7.10.2; p59-Fyn; Protooncogene Syn; SLK; FYN; MGC45350; Fyn p59.		
Formulation	p59-Fyn in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.		

### 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.

### 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.

### Background

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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA