

Product datasheet

Recombinant human Fyn protein ab84696

6 Images

Description

Product name	Recombinant human Fyn protein
Biological activity	Specific activity: 166nmol/min/mg.
Purity	> 90 % Densitometry.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab84696** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies Western blot SDS-PAGE
Form	Liquid
Additional notes	ab204877 (Poly (4:1 Glu, Tyr) peptide) can be utilized as a substrate for assessing kinase activity

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function

Tyrosine-protein kinase implicated in the control of cell growth. Plays a role in the regulation of intracellular calcium levels, with isoform 2 showing the greater ability to mobilize cytoplasmic calcium in comparison to isoform 1. Required in brain development and mature brain function with important roles in the regulation of axon growth, axon guidance, and neurite extension. Blocks axon outgrowth and attraction induced by NTN1 by phosphorylating its receptor DDC. Phosphorylates RUNX3.

Tissue specificity

Isoform 1 is highly expressed in the brain. Isoform 2 is expressed in cells of hemopoietic lineages, especially T lymphocytes.

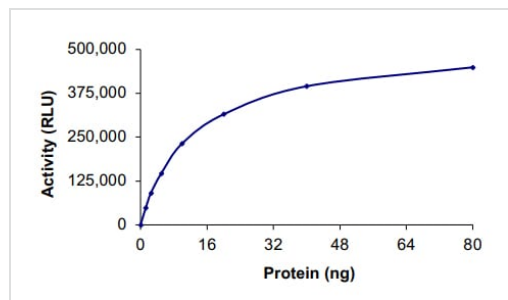
Sequence similarities

Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily.
Contains 1 protein kinase domain.
Contains 1 SH2 domain.
Contains 1 SH3 domain.

Cellular localization

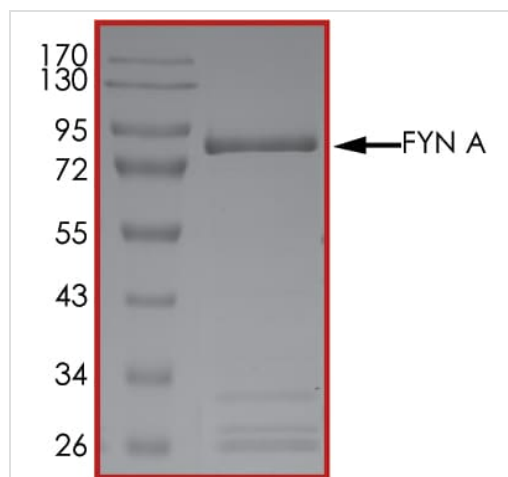
Cell membrane. Present and active in lipid rafts. Present in cell body and along the process of mature and developing oligodendrocytes.

Images



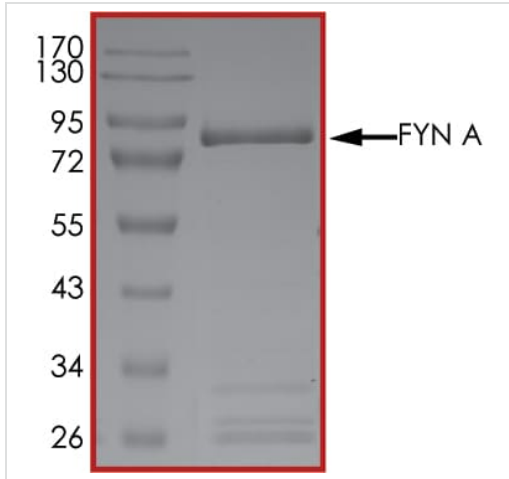
Functional Studies - Recombinant human Fyn protein (ab84696)

The specific activity of Fyn (ab84696) was determined to be 95 nmol/min/mg as per activity assay protocol and was equivalent to 141 nmol/min/mg as per radiometric assay



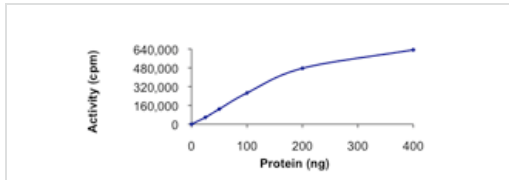
SDS PAGE analysis of ab84696

SDS-PAGE - Recombinant human Fyn protein (ab84696)

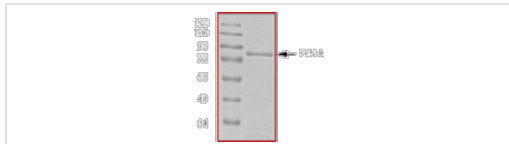


SDS PAGE analysis of ab84696

SDS-PAGE - Recombinant human Fyn protein (ab84696)

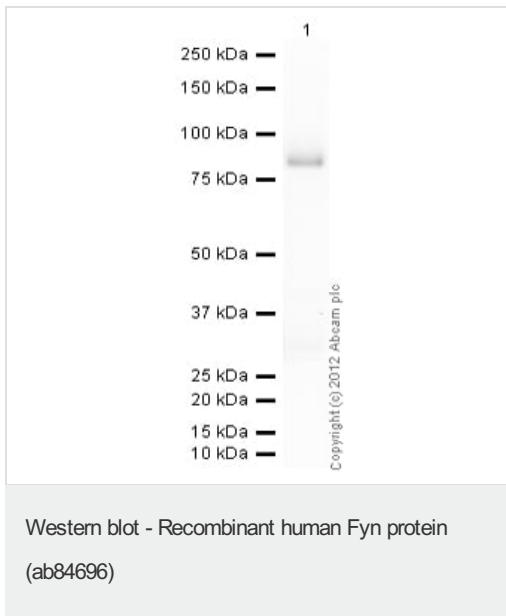


Functional Studies - Recombinant human Fyn protein (ab84696)



SDS Page analysis of ab84696

SDS-PAGE - Recombinant human Fyn protein (ab84696)



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