

Recombinant human Fyn protein ab84696

6 Images

Description	
Product name	Recombinant human Fyn protein
Biological activity	Specific activity: 166nmol/min/mg.
Purity	> 90 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYADKHN MLGGCPKERA EISMLEGAVL DIRYGVSR I AYSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSMGCV QCKDKEATKL TEERDGS LNQ SSGYRYG TDP TPQHYSFGV TSIPN YNNFH AAGGQGLTVF GGVNSSSHTG TLRTRGGTGV TLFVALYDYE ARTEDDLSFH KGEKFQILNS SEGDWWEARS LTTGETGY P SNYVAPVDSI QAE EWYFGKL GRKDAERQLL SFGNPRGTFL IRESETTKGA YSLSIRDWDD MKGDHVKHYK IRKLDNGGYY ITTRAQFETL QQLVQHYSER AAGLCCRLV PCHKGMPRLT DLSVKTKDVW EIPRESLQLI KRLGNGQFGE VWMGTWNGNT KVAIKTLKPG TMSPE SFLEE AQIMKKLKHD KLVQLYAVVS EEPYVTEY MKNKGSLLDFL KDGEGRALKL PNLVDMAAQV AAGMAYIERM NYIHRDLRSA NILVG NGLIC KIADFGLARL IEDNEYTARQ GAKFPIK WTA PEAALYGRFT IKSDVWSFGI LLTELVT KGR VPYPGMN NRE VLEQVERGYR MPCPQDCPIS LHELM IHCWK KDPEERPTFE YLQSFLEDYF TATEPQYQPG ENL
Tags	GST tag N-Terminus

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

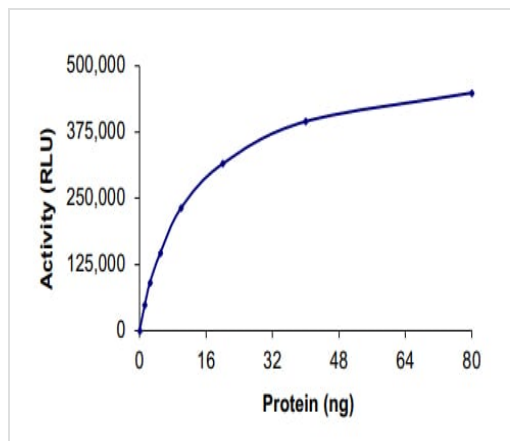
Preparation and Storage

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.

General Info

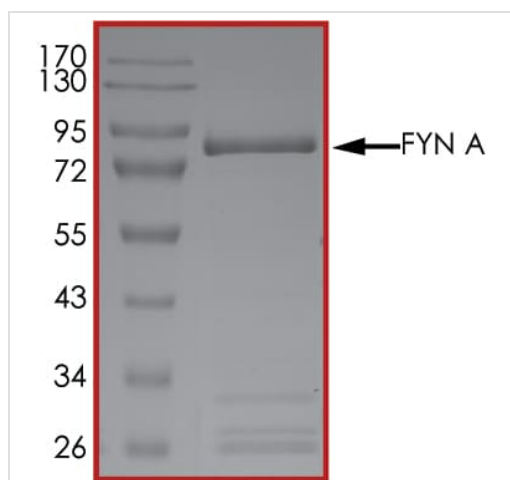
Function	Tyrosine-protein kinase implicated in the control of cell growth. Plays a role in the regulation of intracellular calcium levels, with isoform 2 showing the greater ability to mobilize cytoplasmic calcium in comparison to isoform 1. Required in brain development and mature brain function with 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



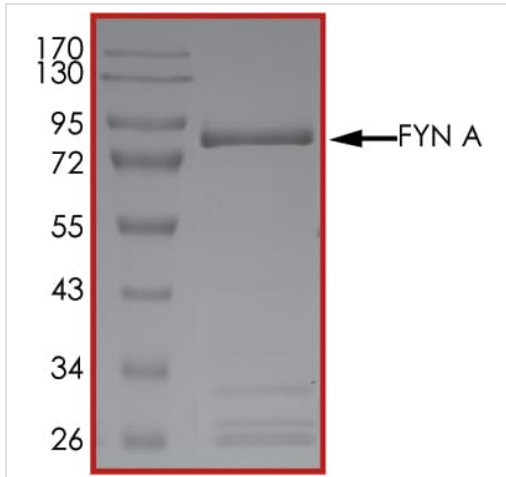
The specific activity of Fyn (ab84696) was determined to be 95 nmol/min/mg as per activity assay protocol and was equivalent to 141 nmol/min/mg as per radiometric assay

Functional Studies - Recombinant human Fyn protein (ab84696)



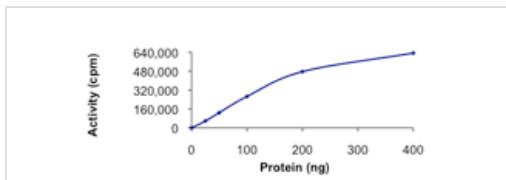
SDS PAGE analysis of ab84696

SDS-PAGE - Recombinant human Fyn protein (ab84696)

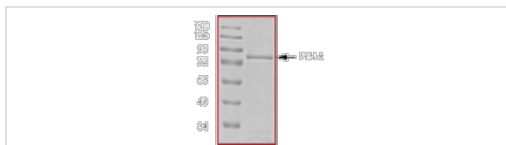


SDS PAGE analysis of ab84696

SDS-PAGE - Recombinant human Fyn protein
(ab84696)

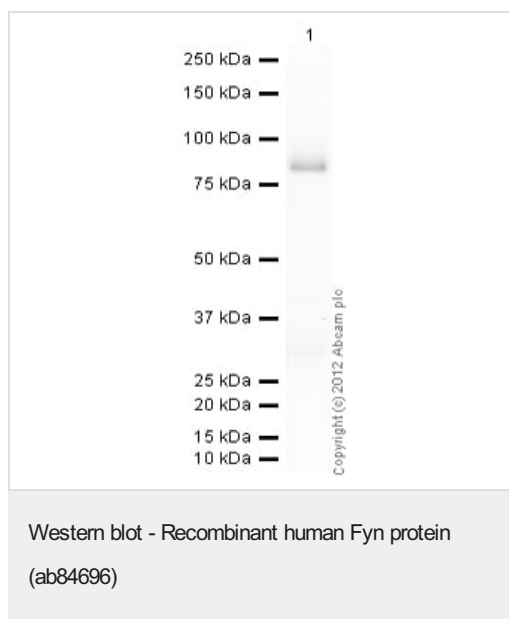


Functional Studies - Recombinant human Fyn
protein (ab84696)



SDS Page analysis of ab84696

SDS-PAGE - Recombinant human Fyn protein
(ab84696)



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