

FYN recombinant protein

Recombinant FYN (2-537) protein

CATALOG #
AAA60239

HOST
Baculovirus

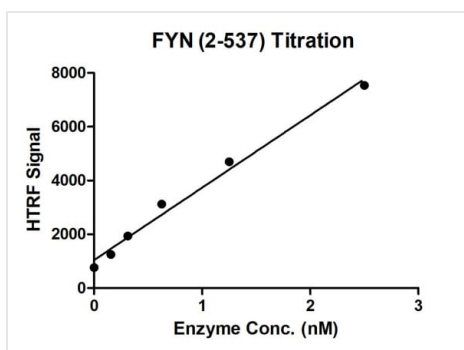
PRODUCT SYNONYMS

FYN; Recombinant FYN (2-537) protein; FYN Proto-Oncogene; Src Family Tyrosine Kinase); FYN recombinant protein

PRODUCT SPECIFICATIONS

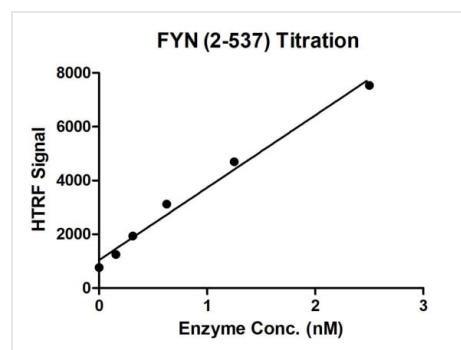
Host	Baculovirus
Form/Format	Recombinant FYN (2-537) protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100, and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant FYN (2-537) protein that includes amino acids 2-537 of human FYN protein (accession number NP_001357458.1) was expressed in a baculovirus expression system, and contains an N-terminal DYKDDDDK tag.
Notes	This product was manufactured as described in Protein Details. Where possible, We has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for a given product is shown on the lot-specific Technical Data Sheet.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



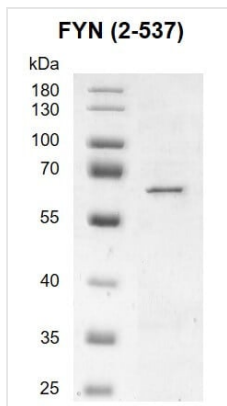
Application Data

HTRF assay for FYN (2-537) activity 1 uM TK substrate was incubated with different concentrations of FYN (2-537) protein in a 10 ul reaction system containing 1×Enzymatic Buffer, 5 mM MgCl₂, 1 mM DTT and 100 uM ATP for 1 hour. Then 10 ul detection reagents containing TK antibody (1:2) and SA-XL665 (1:100) diluted with 1× Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection



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SDS-PAGE

Recombinant FYN (2-537) protein 10% SDS-PAGE gel with Coomassie blue staining MW:
61.6 kDa Purity: >95%

ADDITIONAL INFORMATION

Related Product Information for FYN recombinant protein

Background: FYN (FYN Proto-Oncogene, Src Family Tyrosine Kinase) is a non-receptor tyrosine-protein kinase that plays a role in many biological processes including regulation of cell growth and survival, cell adhesion, integrin-mediated signaling, cytoskeletal remodeling, cell motility, immune response and axon guidance. Inactive FYN is phosphorylated on its C-terminal tail within the catalytic domain. Following activation by PKA, the protein subsequently associates with PTK2/ FAK1, allowing PTK2/FAK1 phosphorylation, activation and targeting to focal adhesions. FYN involved in the regulation of cell adhesion and motility through phosphorylation of CTNNB1 (beta-catenin) and CTNND1 (delta-catenin) and regulates cytoskeletal remodeling by phosphorylating several proteins including the actin regulator WAS and the microtubule-associated proteins MAP2 and MAPT. It also promotes cell survival by phosphorylating AGAP2/PIKE-A and preventing its apoptotic cleavage. Diseases associated with FYN include Hepatitis E and Autoimmune Cardiomyopathy

Product Categories/Family for FYN recombinant protein

Recombinant Proteins; Kinase

NCBI AND UNIPROT INFORMATION

Molecular Weight

Molecular weight of the protein is 61.6kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/fyn-recombinant-protein-baculovirus/60239>