

YES1 active protein

Recombinant YES1 protein

CATALOG # AAA60336	HOST Baculovirus
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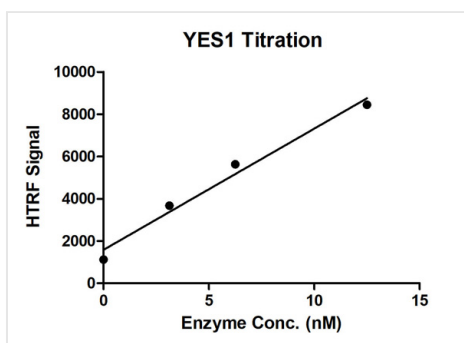
PRODUCT SYNONYMS

YES1; Recombinant YES1 protein; YES Proto-Oncogene 1; Src Family Tyrosine Kinase; YES1 active protein

PRODUCT SPECIFICATIONS

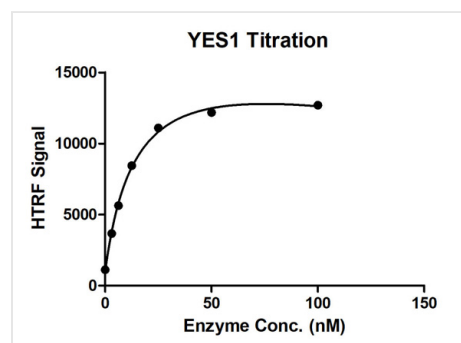
Host	Baculovirus
Purity/Purification	>50%
Form/Format	Recombinant YES1 protein is supplied in 25 mM HEPES-NaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Protein Details	Recombinant YES1 protein was expressed in baculovirus expression system as the full length protein (accession number NP_005424.1) with a N-terminal DYKDDDDK tag. The molecular weight of the protein is 62.1 kDa.
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.

IMAGES



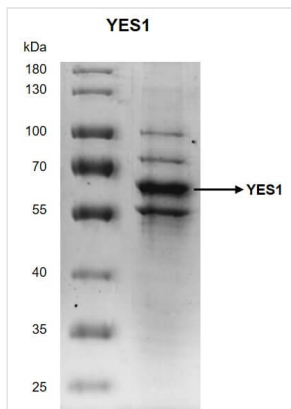
Bioactivity

HTRF Assay for Recombinant YES1 activity. 1 μ M TK substrate was incubated with different concentrations of YES1 protein in 10 μ l reaction system containing 1 $\times$ Enzymatic Buffer, 5 mM MgCl₂, 1 mM DTT and 100 μ M ATP for 1 hour. The 10 μ l detection reagents containing anti-TK antibody (1:2) and SA-XL665 (1:100) diluted with 1 $\times$ 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 YES1 protein gel 10% SDS-PAGE gel with Coomassie blue staining MW: 62.1 kDa Purity: >50%

ADDITIONAL INFORMATION

Related Product Information for YES1 active protein	YES1 (YES Proto-Oncogene 1, Src Family Tyrosine Kinase), a non-receptor protein tyrosine kinase that is involved in the regulation of cell growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation. Stimulation by receptor tyrosine kinases (RTKs) including EGRF, PDGFR, CSF1R and FGFR leads to recruitment of YES1 to the phosphorylated receptor, and activation and phosphorylation of downstream substrates. Upon EGFR activation, YES1 promotes the phosphorylation of PARD3 to favor epithelial tight junction assembly and participates in the phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, YES1 phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration and participates in CD95L/FASLG signaling pathway and mediates AKTmediated cell migration. YES1 plays a role in cell cycle progression by phosphorylating the cyclin-dependent kinase 4/CDK4 thus regulating the G1 phase.
Product Categories/Family for YES1 active protein	Kinase; Recombinant Proteins

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/baculovirus-active-protein/yes1/60336>