

Recombinant Human YES1

Cat. No. YES1-30137TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Yes1 with N terminal proprietary tag; MWt 91kDa.
Species	Human
Source	Insect Cells
ProteinLength	542 amino acids
Description	This gene is the cellular homolog of the Yamaguchi sarcoma virus oncogene. The encoded protein has tyrosine kinase activity and belongs to the src family of proteins. This gene lies in close proximity to thymidylate synthase gene on chromosome 18, and a corresponding pseudogene has been found on chromosome 22.
Molecular Weight	91.000kDa inclusive of tags
Biological activity	The Specific activity was determined to be 185 nmol/min/mg.
Form	Liquid
Purity	Densitometry
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**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.

GENE INFORMATION

Gene Name YES1 v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 [Homo sapiens]

Official Symbol YES1

Synonyms YES1; v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1; tyrosine-protein kinase Yes; c yes; HsT441; Yes;

Gene ID 7525

mRNA Refseq NM_005433

Protein Refseq NP_005424

MIM 164880

Uniprot ID P07947

**Chromosome
Location** 18p11.31-p11.21

Pathway

Adaptive Immune System, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Alpha-synuclein signaling, organism-specific biosystem; Alpha6-Beta4 Integrin Signaling

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Pathway, organism-specific biosystem;

Function

ATP binding; ion channel binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein tyrosine kinase activity;

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