

## Recombinant Human YES1, His-tagged

Cat. No. YES1-31564TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 261-543 of Human Yes1 with an N terminal His tag. Predicted MWt: 33 kDa;
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	261-543 a.a.
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Form</b>	Lyophilised:reconstitution with 132 µl aqua dest.
<b>Storage buffer</b>	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	QTQGLAKDAWEIPRESLRLEVKLGQGCFGEVWMGTWNGTT KVAIKTLKPGTMMPE AFLQEAQIMKKLRHDKLVPLYAV VSEEPYIVTEFMSKGSLLDFLKEGDGKYLKLPQL

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VDM AAQIADGMAYIERMNYIHRDLRAANILVGENLVCKIADFG LARLIEDNEYTARQ  
 GAKFPIKWTAPEAALYGRFTIKSD VWSFGILQTELVTKGRVPYPGMVNREVLEQVE  
 RGYRMP CPQGCPESLHELMNLCWKKDPDERPTFEYIQSFLEDYF TATEPQYQPG  
 ENL

**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

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**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 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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