

Recombinant Human YES1, His-tagged

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 261-543 of Human Yes1 with an N terminal His tag. Predicted MWt: 33 kDa;
Species	Human
Source	E.coli
ProteinLength	261-543 a.a.
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.
Conjugation	HIS
Form	Lyophilised:reconstitution with 132 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QTQGLAKDAWEIPRESLRLEVKLGQCGFEVWMGTWNGTT KVAIKTLKPGTMMPE AFLQEAQIMKKLRHDKLVPLYAV VSEEPYIVTEFMSKGSLLDFLKEGDGKYLKLPQL

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VDM AAQIADGMAYIERMNYIHRDLRAANILVGENLVCKIADFG LARLIEDNEYTARQ
GAKFPIKWTAPAAALYGRFTIKSD 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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