YES1 (T348I) Recombinant Protein | YES1 recombinant protein

YES1 (T348I), Active

CATALOG #	HOST	APPLICATIONS
AAA74119	**Sf9 insect cells**	**Kinase Assay**

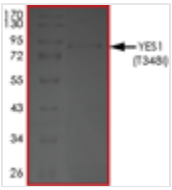
PRODUCT SYNONYMS

YES1 (T348I); Active; Yes; c-yes; HsT441; P61-YES; YES1 recombinant protein

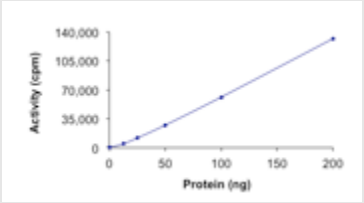
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for YES1 recombinant protein	Kinase Assay
Tag	GST
Species	Human
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	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE
Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity
Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for YES1 recombinant protein	Full-length recombinant human YES1 (T348I) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005433. YES1 is the cellular homolog of the Yamaguchi sarcoma virus oncogene that has tyrosine kinase activity and belongs to the SRC family. YES1 lies in close proximity to thymidylate synthase gene on chromosome 18 and chromosome 22 (1). The activation of YES1 may play a significant role in the malignant transformation of hepatocytes and is important for maintaining embryonic stem cells in an undifferentiated state. YES1 is a useful marker to detect early-stage hepatocellular carcinoma and play a key role in the tumorigenesis and metastasis of gastric cancer. YES1 induction results in increased cancer cell motility suggesting that YES1 may promote cancer spread and metastasis rather than tumor growth (2).
Product Categories/Family for YES1 recombinant protein	Mutant Kinases; Angiogenesis; Apoptosis/Autophagy; Cancer; Cytoplasmic Tyrosine Kinases; ERK/MAPK Pathway; Inflammation; Invasion/Metastasis; JAK/STAT Pathway

References	1. Silverman, G. et.al: Chromosomal reassignment: YACs containing both YES1 and thymidylate synthase map to the short arm of chromosome 18. Genomics 15: 442-445, 1993. 2. Barraclough, J. et al: Increases in c-Yes expression level and activity promote motility but not proliferation of human colorectal carcinoma cells. Neoplasia. 2007 Sep;9(9):745-54.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005433
Molecular Weight	~88kDa

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/yes1-t348i-recombinant-protein-sf9-insect-cells-kinase-assay/74119