

Datasheet for ABIN7317062

YES1 Protein (GST tag,His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	YES1
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This YES1 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human c-Yes/YES1 Protein (His & GST Tag)(Active)
Sequence:	Gly 2-Leu 543
Characteristics:	A DNA sequence encoding the human YES1 (NP_005424.1) (Gly 2-Leu 543) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	The specific activity was determined to be 35 nmol/min/mg using Poly(Glu,Tyr) 4:1 as substrate.

Target Details

Target:	YES1
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Target Details

Alternative Name: c-Yes/YES1 ([YES1 Products](#))

Background: Background: Proto-oncogene tyrosine-protein kinase Yes, also known as Proto-oncogene c-Yes, p61-Yes and YES1, is a cytoplasm protein which belongs to the protein kinase superfamily, Tyr protein kinase family and SRC subfamily. YES1 / c-Yes contains one protein kinase domain, one SH2 domain and one SH3 domain. It is thought that the subcellular distribution of Src-family tyrosine kinases, including c-Yes binding to the cellular membrane, is membranous and/or cytoplasmic. YES1 / c-Yes protein tyrosine kinase is known to be related to malignant transformation. YES1 / c-Yes and c-Src are the two most closely related members of the Src family of nonreceptor tyrosine kinases. Although there is much evidence to support redundancy in signaling between these two kinases. YES1 / c-Yes promotes formation of the tight junction by phosphorylating occludin, while c-Src signaling downregulates occludin formation in a Raf-1 dependent manner. YES1 / c-Yes has tyrosine kinase activity. It promotes infectivity of *Neisseria gonorrhoeae* in epithelial cells by phosphorylating MCP / CD46.

Synonym: c-yes;HsT441;P61-YES;Yes

Molecular Weight: 88.5 kDa

NCBI Accession: [NP_005424](#)

Pathways: [CXCR4-mediated Signaling Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Thromboxane A2 Receptor Signaling](#)

Application Details

Restrictions: For Research Use only

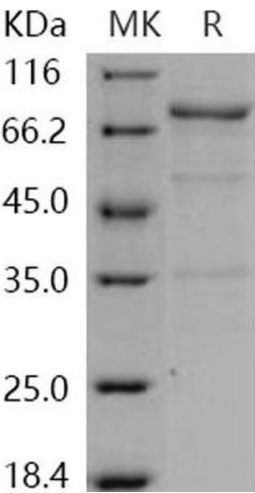
Handling

Format: Frozen, Liquid

Buffer: Supplied as sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, 0.5 mM TCEP, pH 8.0

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.