

Recombinant Human YES1 Protein (G2-L543), GST tagged

Cat. No. YES1-0738H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human GST-TEV-GG-Yes(G2-L543 end) Protein was expressed in Insect cell. |
| Species | Human |
| Source | Insect Cells |
| ProteinLength | G2-L543 |
| Description | <p>Non-receptor protein tyrosine kinase that is involved in the regulation of cell growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation. Stimulation by receptor tyrosine kinases (RTKs) including EGRF, PDGFR, CSF1R and FGFR leads to recruitment of YES1 to the phosphorylated receptor, and activation and phosphorylation of downstream substrates. Upon EGFR activation, promotes the phosphorylation of PARD3 to favor epithelial tight junction assembly. Participates in the phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration. Participates in CD95L/FASLG signaling pathway and mediates AKT-mediated cell migration. Plays a role in cell cycle progression by phosphorylating the cyclin-dependent kinase 4/CDK4 thus regulating the G1 phase. Also involved in G2/M progression and cytokinesis.</p> |
| Form | Liquid |

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| Endotoxin | < 0.01 EU per µg of the protein |
| Purity | 90% |
| Stability | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. |
| Storage | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| Storage Buffer | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
| Shipping | It is shipped out with blue ice. |

GENE INFORMATION

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| Gene Name | YES1 v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 [Homo sapiens (human)] |
| Official Symbol | YES1 |
| Synonyms | YES1; v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1; tyrosine-protein kinase Yes; c yes; HsT441; Yes; proto-oncogene c-Yes; cellular yes-1 protein; Yamaguchi sarcoma oncogene; proto-oncogene tyrosine-protein kinase YES; c-yes; P61-YES; |
| Gene ID | 7525 |
| mRNA Refseq | NM_005433 |
| Protein Refseq | NP_005424 |

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| MIM | 164880 |
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| UniProt ID | P07947 |
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