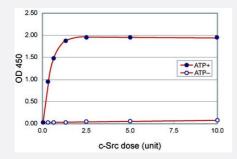


c-Src Kinase (Human) Assay/Inhibitor Screening Assay Kit

Catalog # KA0058 Size 1 Kit

Applications



Dose dependent curve of recombinant c-Src catalytic domain enzyme reaction.

Specification

Product Description

c-Src Kinase (Human) Assay/Inhibitor Screening Assay Kit is a single-site, non-quantitative immunoa ssay for kinase activity of recombinant catalytic domain of c-Src. Plates are pre-coated with a newly designed "Tyrosine kinase-binding module-1", which can easily bind recombinant catalytic domain of c-Src, subsequently activate c-Src kinase activity on a microtiter plate. The detector antibody is PY-3 9, an antibody that specifically detects the phosphotyrosine residue on recombinant catalytic domain of c-Src itself, which means that this kit measures the intensity of autophosphorylation of c-Src catalyt ic domain.

Assay Type	Quantitative
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Dose dependent curve Dose dependent curve of recombinant c-Src catalytic domain enzyme reaction.
Storage Instruction	Store the kit at 4°C.
Note	SRC (Human) Recombinant Protein (Cat# P6990) is a Src positive control designed to use for c-Src Kinase (Human) Assay/Inhibitor Screening Assay Kit (Cat# KA0058).

Applications



Functional Study

Gene Info — SRC	
Entrez GenelD	<u>6714</u>
Gene Name	SRC
Gene Alias	ASV, SRC1, c-SRC, p60-Src
Gene Description	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)
Omim ID	<u>190090</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this ge ne is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinas e. Mutations in this gene could be involved in the malignant progression of colon cancer. Two tran script variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000174476 OTTHUMP00000174477 proto-oncogene tyrosine-protein kinase SRC protooncogene SRC, Rous sarcoma tyrosine kinase pp60c-src tyrosine-protein kinase SRC-1

Publication Reference

 Berberine Reduces the Metastasis of Chondrosarcoma by Modulating the ανβ3 Integrin and the PKCδ, c-Src, and AP-1 Signaling Pathways.

Chi-Ming Wu, Te-Mao Li, Tzu-Wei Tan, Yi-Chin Fong, Chih-Hsin Tang.

Evidence-Based Complementary and Alternative Medicine 2013 Aug; 2013:423164.

Application: Func, KA, Human, JJ012, SW1353 cells

<u>Lipoteichoic acid enhances IL-6 production in human synovial fibroblasts via TLR2 receptor, PKCdelta and c-Src dependent pathways.</u>

Chih-Hsin Tang, Chin-Jung Hsu, Wei-Hung Yang, Yi-Chin Fong.

Biochemical Pharmacology 2010 Jun; 79(11):1648.

Application: Func, KA, Human, Human synovial fibroblasts



Pathway

- Adherens junction
- Endocytosis
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Focal adhesion
- Gap junction
- GnRH signaling pathway
- Tight junction
- VEGF signaling pathway

Disease

- Genetic Predisposition to Disease
- HIV Infections
- Thyroid Neoplasms