Active Recombinant Human SRC Protein (Full Length), N-FLAG

Cat. No. SRC-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SRC protein was expressed in a baculovirus expression system as the full length protein (accession number NP_005408.1) with an N-terminal FLAG tag.
Species	Human
Source	Insect Cells
ProteinLength	Full Length
Description	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 gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene.
Bio-activity	1 μM TK substrate was incubated with different concentrations of SRC protein in a reaction system containing 1× Enzymatic Buffer, 5 mM MgCl2, 1 mM DTT and 100 μM ATP for 1 hour. The 10 μL detection reagents containing TK antibody and SA-XL665, each of which was 1:100 diluted with 1× Detection Buffer were added and incubated with the reactions for 1 hour. All the operations and reactions were performed at room temperature, and HTRF KinASE TK assay was used to detect the

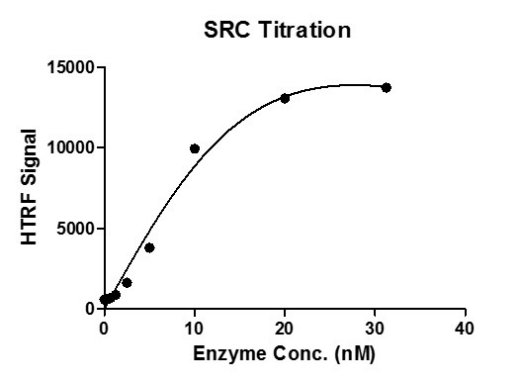
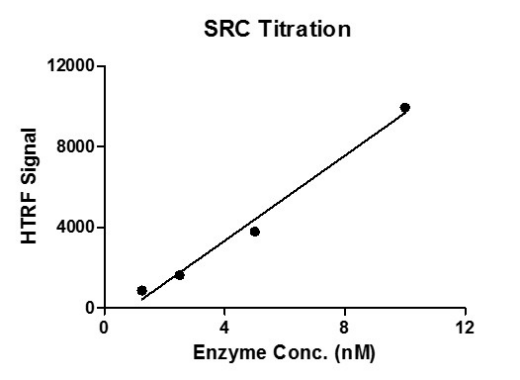
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	enzymatic activity.
Molecular Mass	61.1 kDa
Purity	> 95%
Applications	This protein is suitable for use in binding assays, inhibitor screening, and selectivity profiling.
Notes	This product is for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.
Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 centigrade to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Concentration	0.25 μg/μL
Storage Buffer	25 mM HEPES-NaOH pH7.5,300 mM NaCl,10% glycerol,0.04% Triton X-100 and 0.5 mM TCEP.

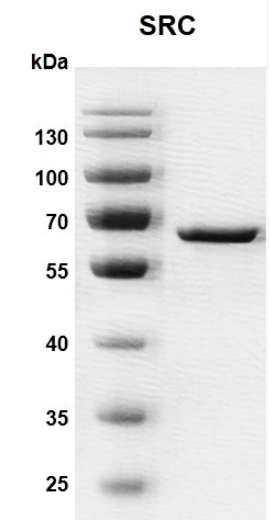
GENE INFORMATION

Gene Name	SRC SRC proto-oncogene, non-receptor tyrosine kinase [Homo sapiens (human)]
Official Symbol	SRC
Synonyms	SRC; SRC proto-oncogene, non-receptor tyrosine kinase; ASV; SRC1; THC6; c-SRC; p60-Src; proto-oncogene tyrosine-protein kinase Src; proto-oncogene c-Src; protooncogene SRC, Rous sarcoma; tyrosine kinase pp60c-src; tyrosine-protein kinase SRC-1; v-src avian sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog;

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	EC 2.7.10.2
Gene ID	6714
mRNA Refseq	NM_005417
Protein Refseq	NP_005408
MIM	190090
UniProt ID	P12931
HTRF assay for SRC protein activity	
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