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Figure 1

A

<table>
<thead>
<tr>
<th>GST</th>
<th>PTP1B</th>
<th>His</th>
<th>Δ80 Src kinase</th>
</tr>
</thead>
</table>

B

3C protease

C

C-Src: NNT--EGDWW--
N1-Src: NNTRKVDVR--EGDWW--
N2-Src: NNTRKVDV5QTWFTFRWLRQEGDWW--

C

GST

GST PTP1B

Δ80 Src kinase

D

GGGAEEEIYGEFEFPGRGSGKQOGQLAKDA YL

substrate linker SH3 ligand
Figure 2

A

[C-Src] (nM)

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<thead>
<tr>
<th></th>
<th>0</th>
<th>0.1</th>
<th>0.3</th>
<th>0.9</th>
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B

Time (min)

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<th>0</th>
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<th>10</th>
<th>20</th>
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</table>
Figure 3

A  C-Src

B  N1-Src

C  N2-Src

D  

K_0 (µM)  

<table>
<thead>
<tr>
<th></th>
<th>YA</th>
<th>YP1</th>
<th>YP2</th>
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<tbody>
<tr>
<td>C-Src</td>
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<tr>
<td>N1-Src</td>
<td>15</td>
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<td>35</td>
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<tr>
<td>N2-Src</td>
<td>20</td>
<td>30</td>
<td>40</td>
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</tbody>
</table>
Figure 4

A. Graph showing the pY416 immunoreactivity (arbitrary units) over time (h) for C-Src, N1-Src, and N2-Src.

B. Western blot analysis showing the expression of FLAG, pY416, pY527, pY, and actin.
Figure 5

A

B

C-Src N1-Src N2-Src