

Title (en)
SUBSTRATE TRAPPING PROTEIN TYROSINE PHOSPHATASES

Title (de)
SUBSTRAT FANGENDE PROTEIN TYROSIN PHOSPHATASE

Title (fr)
PROTEINE-TYROSINE-PHOSPHATASES DE PIEGEAGE DE SUBSTRATS

Publication
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Application
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Abstract (en)
[origin: WO0075339A1] Compositions and methods are provided pertaining to novel substrate trapping mutant protein tyrosine phosphatases (PTPs) that are catalytically impaired but which retain the ability to bind phosphotyrosine-containing protein substrate(s), and that are further modified by the replacement of at least one tyrosine residue with an amino acid that cannot be phosphorylated. Uses of such PTPs for identification of PTP substrates, and of agents that alter PTP-substrate interactions are disclosed, as are methods of altering PTP activities.

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