

## PTPRE 抗原（重组蛋白）

中文名称： PTPRE 抗原（重组蛋白）

英文名称： PTPRE Antigen (Recombinant Protein)

别名： PTPE, HPTPE, R-PTP-EPSILON

储存： 冷冻（-20℃）

相关类别： 抗原

### 概述

Fusion protein corresponding to a region derived from 426-689 amino acids of human PTPRE

### 技术规格

<b>Full name:</b>	protein tyrosine phosphatase, receptor type, E
<b>Synonyms:</b>	PTPE, HPTPE, R-PTP-EPSILON
<b>Swissprot:</b>	P23469
<b>Gene Accession:</b>	BC050062
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Two alternatively spliced transcript variants of this gene have been reported, one of which encodes a receptor-type PTP that possesses a short extracellular domain, a single transmembrane region, and two tandem intracytoplasmic catalytic domains; Another one encodes a PTP that contains a distinct hydrophilic N-terminus, and thus represents a nonreceptor-type isoform of this PTP. Studies of the similar gen

e in mice suggested the regulatory roles of this PTP in RAS related signal transduction pathways, cytokines induced SATA signaling, as well as the activation of voltage-gated K<sup>+</sup> channels.