

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

Full name:	protein tyrosine phosphatase, receptor type, E
Synonyms:	PTPE, HPTPE, R-PTP-EPSILON
Swissprot:	P23469
Gene Accession:	BC050062
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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 gene in mice suggested the regulatory roles of this PTP in RAS related signal transduction pathways, cytokines induced STAT signaling, as well as the activation of voltage-gated K⁺ channels.