

# Recombinant Human PTPRE

Catalog No: #GP10738



Package Size: #GP10738-1 100ug

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## Description

Product Name	Recombinant Human PTPRE
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 426-689 amino acids of human protein tyrosine phosphatase, receptor type, E
Target Name	protein tyrosine phosphatase, receptor type, E
Other Names	PTPE, HPTPE, R-PTP-EPSILON
Accession No.	Swissprot:P23469Gene Accession:BC050062
Uniprot	P23469
GenID	5791;
Storage	-20~-80°C, pH 7.6 PBS

## 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 SATA signaling, as well as the activation of voltage-gated K<sup>+</sup> channels.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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