



# Human PTPN4 peptide (DAG-P0845)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</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. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Format</b>	Liquid
<b>Buffer</b>	Information available upon request.
<b>Preservative</b>	None
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PTPN4 protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte) [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PTPN4
<b>Synonyms</b>	PTPN4; protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte); MEG; PTPMEG; PTPMEG1; tyrosine-protein phosphatase non-receptor type 4; PTPase-MEG1; megakaryocyte

phosphatase; protein tyrosine phosphatase MEG1; protein-tyrosine phosphatase MEG1;  
megakaryocyte protein-tyrosine phosphatase;

Entrez Gene ID	<a href="#">5775</a>
mRNA Refseq	<a href="#">NM_002830.3</a>
Protein Refseq	<a href="#">NP_002821.1</a>
UniProt ID	P29074
Chromosome Location	2q14.2
Function	cytoskeletal protein binding; non-membrane spanning protein tyrosine phosphatase activity; protein binding;