



# Human PDC peptide (DAG-P1000)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a phosphoprotein, which is located in the outer and inner segments of the rod cells in the retina. This protein may participate in the regulation of visual phototransduction or in the integration of photoreceptor metabolism. It modulates the phototransduction cascade by interacting with the beta and gamma subunits of the retinal G-protein transducin. This gene is a potential candidate gene for retinitis pigmentosa and Usher syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the phosducin family.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery 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="#">PDC phosducin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PDC
<b>Synonyms</b>	PDC; phosducin; PHD; MEKA; PhLP; PhLOP; G beta gamma binding protein; phosducin-like orphan protein; 33 kDa phototransducing protein;
<b>Entrez Gene ID</b>	<a href="#">5132</a>

<b>mRNA Refseq</b>	<a href="#">NM_002597.4</a>
<b>Protein Refseq</b>	<a href="#">NP_002588.3</a>
<b>UniProt ID</b>	P20941
<b>Chromosome Location</b>	1q25.2
<b>Pathway</b>	Olfactory transduction, organism-specific biosystem; Olfactory transduction, conserved biosystem;
<b>Function</b>	phospholipase inhibitor activity;