



Human PAX4 peptide (DAG-P1021)

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

PRODUCT INFORMATION

Antigen Description	This gene is a member of the paired box (PAX) family of transcription factors. Members of this gene family typically contain a paired box domain, an octapeptide, and a paired-type homeodomain. These genes play critical roles during fetal development and cancer growth. The paired box 4 gene is involved in pancreatic islet development and mouse studies have demonstrated a role for this gene in differentiation of insulin-producing beta cells. [provided by RefSeq, Jul 2008]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the paired homeobox family. Contains 1 homeobox DNA-binding domain. Contains 1 paired domain.
Format	Liquid
Preservative	None
Storage	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

Gene Name	PAX4 paired box 4 [Homo sapiens (human)]
Official Symbol	PAX4
Synonyms	PAX4; paired box 4; KPD; MODY9; paired box protein Pax-4; paired box gene 4; paired domain gene 4;
Entrez Gene ID	5078

mRNA Refseq	NM_006193.2
Protein Refseq	NP_006184.2
UniProt ID	O43316
Chromosome Location	7q32
Pathway	Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in endocrine-committed (NEUROG3+) progenitor cells, organism-specific biosystem;
Function	DNA binding; double-stranded DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;