

## Product datasheet for **TP760467**

### **PAX4 (NM\_006193) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human paired box 4 (PAX4), full length, with N-terminal HIS tag, expressed in E.Coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding human full-length PAX4
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	36.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_006184</a>
<b>Locus ID:</b>	5078
<b>UniProt ID:</b>	<a href="#">O43316</a>
<b>RefSeq Size:</b>	2010
<b>Cytogenetics:</b>	7q32.1
<b>RefSeq ORF:</b>	1029
<b>Synonyms:</b>	KPD; MODY9



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**Summary:**

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]

**Protein Families:**

Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

**Protein Pathways:**

Maturity onset diabetes of the young

**Product images:**