

## Product datasheet for **TP750191**

### **PAX2 (NM\_003987) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human paired box 2 (PAX2), transcript variant a, Phe147-Val235, tag free, 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 the region(Phe147-Val235) of PAX2
<b>Tag:</b>	Tag Free
<b>Predicted MW:</b>	9.2 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>	PBS, 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>	<u><a href="#">NP_003978</a></u>
<b>Locus ID:</b>	5076
<b>UniProt ID:</b>	<u><a href="#">Q02962</a></u>
<b>RefSeq Size:</b>	4276
<b>Cytogenetics:</b>	10q24.31
<b>RefSeq ORF:</b>	1248
<b>Synonyms:</b>	FSGS7; PAPRS



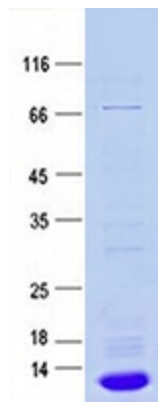
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**Summary:**

PAX2 encodes paired box gene 2, one of many human homologues of the *Drosophila melanogaster* gene *prd*. The central feature of this transcription factor gene family is the conserved DNA-binding paired box domain. PAX2 is believed to be a target of transcriptional suppression by the tumor suppressor gene WT1. Mutations within PAX2 have been shown to result in optic nerve colobomas and renal hypoplasia. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Dec 2014]

**Protein Families:**

Druggable Genome

**Product images:**

Purified recombinant protein PAX2 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.