

## Product datasheet for **TP300380**

### **PAX9 (NM\_006194) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human paired box 9 (PAX9), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC200380 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MEPAFGENVNQLGGVFNVRPLPNAIRLRIVELAQLGIRPCDISRQLRVSHGCVSKILARYNETGSILPGA  
IGGSKPRVTTPTVWKHIRTYKQRDPGIFAWEIRDRLADGVCDKYNVPSVSSISRILRNKIGNLAQQGHY  
DSYKQHQPPTQPALPYNHISYSPITAAAANKVPTPPGVPAIPGSVAMPRTWPSSHSVTDILGIRSITDQ  
VSDSSPYHSPKVEEWSSLGRNFPAAAPHAVNGLEKGALEQEAKYGQAPNGLPAVGSFVSASSMAPYPTP  
AQVSPYMTYSAAPSGYVAGHWQHAGGTSLSPHNCDIPASLAFKGMQAAREGSHSVTASAL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 36.1 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.  
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.  
**Storage:** Store at -80°C.  
**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  
**RefSeq:** [NP\\_006185](#)  
**Locus ID:** 5083



[View online »](#)

UniProt ID: [P55771, Q2L4T1](#)

RefSeq Size: 3122

Cytogenetics: 14q13.3

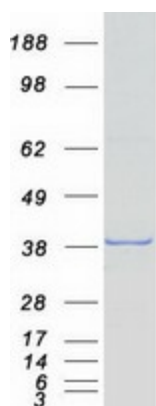
RefSeq ORF: 1023

Synonyms: STHAG3

**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. Mice lacking this gene exhibit impaired development of organs, musculature and the skeleton, including absent and abnormally developed teeth, and neonatal lethality. Mutations in the human gene are associated with selective tooth agenesis-3. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified PAX9 protein (Cat# TP300380). The protein was produced from HEK293T cells transfected with PAX9 cDNA clone (Cat# [RC200380]) using MegaTran 2.0 (Cat# [TT210002]).