

## Product datasheet for **TP315690**

### **PAX8 (NM\_013992) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human paired box 8 (PAX8), transcript variant PAX8E, 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC215690 representing NM\_013992

**Red**=Cloning site **Green**=Tags(s)

MPHNSIRSGHGGLNQLGGAFVNGRPLPEVVRQRIVDLAHQGVPCDISRQLRVSHGCVSKILGRYYETGS  
IRPGVIGGSKPKVATPKVVEKIGDYKRQNPTMFAWEIRDLLAEGVCDNDTVPSVSSINRIIRTKVQQPF  
NLPMDSCVATKSLSPGHTLIPSSAVTPPESPQSDSLGSTYSINGLLGIAQPGSDKRKMDDSDQDSCRLSI  
DSQSSSSGPRKHLRTDAFSQHHLEPLECFERQHYPEAYASPSHTKGEQVNTLAMPMATPPTPTARPG  
ASPTPAC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 30.9 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\\_054698](#)

**Locus ID:** 7849



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UniProt ID: [Q06710](#)  
RefSeq Size: 3653  
Cytogenetics: 2q14.1  
RefSeq ORF: 861

**Summary:** This gene encodes a member of the paired box (PAX) family of transcription factors. Members of this gene family typically encode proteins that contain a paired box domain, an octapeptide, and a paired-type homeodomain. This nuclear protein is involved in thyroid follicular cell development and expression of thyroid-specific genes. Mutations in this gene have been associated with thyroid dysgenesis, thyroid follicular carcinomas and atypical follicular thyroid adenomas. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2010]

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

**Protein Pathways:** Pathways in cancer, Thyroid cancer

### Product images:



Coomassie blue staining of purified PAX8 protein (Cat# TP315690). The protein was produced from HEK293T cells transfected with PAX8 cDNA clone (Cat# [RC215690]) using MegaTran 2.0 (Cat# [TT210002]).