

## Product datasheet for TP314188M

### PAX8 (NM\_013953) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens paired box 8 (PAX8), transcript variant PAX8D, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214188 representing NM_013953 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPHNSIRSGHGGLNQLGGAFVNGRPLPEVWRQRIVDLAHQGVRPCDISRQLRVSHGCVSKILGRYYETGS  
IRPGVIGGSKPKVATPKVVEKIGDYKRQNPTMFAWEIRDRLAEGVCDNDTVPSVSSINRIIRTKVQQPF  
NLPMDSCVATKSLSPGHTLIPSSAVTPPESPQSDSLGSTYSINGLLGIAQPGSDKRMDDSDQDSCRLSI  
DSQSSSSGPRKHLRTDAFSQHHLEPLECFERQHYPEAYASPSHTKGEQGERWWGPRCPDTHPTSPADR  
AAMPPLPSQAWWQEVNTLAMPMATPPTPPTARPGASPTPAC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	34.7 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:	<a href="#">NP_039247</a>
Locus ID:	7849



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UniProt ID: [Q06710](#), [A0A024R4X8](#)

RefSeq Size: 3755

Cytogenetics: 2q14.1

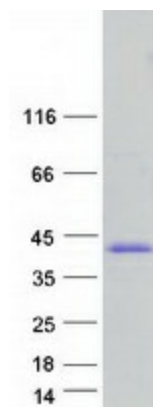
RefSeq ORF: 963

**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# [TP314188]). The protein was produced from HEK293T cells transfected with PAX8 cDNA clone (Cat# [RC214188]) using MegaTran 2.0 (Cat# [TT210002]).