

## Product datasheet for **TP313792M**

### **FOXD4 (NM\_207305) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human forkhead box D4 (FOXD4), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC213792 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MNLPRAERLRSTPQRSLRSDGEDGKIDVLGEEDEDEEEAASQQFLEQSLQPGLQVARWGGVALPREHI  
EGGGGSPDPSEFGTEFRAPPRSAASEDARQPAKPPSSYIALITMAILQSPHKRLTSLGICAFISDRFPY  
YRRKFAWQNSIRHNLSLNDCFVKIPREPGRPKGNYWSLDPASQDMFDNGSFLRRRKRFRHQPTPGAH  
LPHFPPLPAAHAALHNPRPGPLLAPAPPQVPGAYPNTGPRRPYALLHPHPPRYLLLSAPAYAGAPKK  
AEGADLATPAPFPCCSPHLVLSLGRRARVWRRHREADASLSALRVSCKSGSERVQGLRRVCPRPRGATAP  
CSSDRQACRTILQQQRHQEEDCANGCAPTKGAVLGGHLSAASALLRYQAVAEGSGLTSLAAPLGGEGTS  
PVFLVSPTPSSLAESAGPS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 47.1 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\\_997188](#)



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Locus ID: 2298

UniProt ID: [Q12950](#)

RefSeq Size: 2204

Cytogenetics: 9p24.3

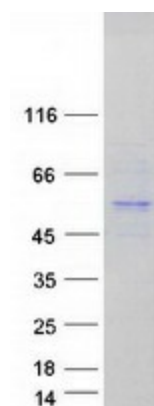
RefSeq ORF: 1317

Synonyms: FKHL9; FOXD4A; FREAC-5; FREAC5

**Summary:** This gene encodes a member of the forkhead/winged helix-box (FOX) family of transcription factors. FOX transcription factors play critical roles in the regulation of multiple processes including metabolism, cell proliferation and gene expression during ontogenesis. Mutations in this gene are associated with a complex phenotype consisting of dilated cardiomyopathy, obsessive-compulsive disorders, and suicidality. [provided by RefSeq, Mar 2012]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified FOXD4 protein (Cat# [TP313792]). The protein was produced from HEK293T cells transfected with FOXD4 cDNA clone (Cat# [RC213792]) using MegaTran 2.0 (Cat# [TT210002]).