

## Product datasheet for **TP301987**

### NEUROD1 (NM\_002500) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human neurogenic differentiation 1 (NEUROD1), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC201987 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MTKSYSESGLMGEPQPQGPPSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLRNGGEEDEDEDELEE  
E  
EEEEEDDDQKPKRRGPKKKKMTKARLERFKLRRMKANARERNRMHGLNAALDNLKVVPCYSKTQKLSK  
I  
ETLRLAKNYIWALSEILRSGKSPDLVSFVQTLCKGLSQPTTNLVAGCLQLNPRFTLPEQNQDMPPHLPTA  
SASFPVHPYSYQSPGLSPPYGTMDSSHVHVKPPPHAYSAALEPFESPLTDCTSPSFDGPLSPPLSIN  
GNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIFSGTAAPRCEIPIDNIMSFDSHSHHERVMSAQL  
NAIFHD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK  
**Predicted MW:** 39.7 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.



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RefSeq: [NP\\_002491](#)

Locus ID: 4760

UniProt ID: [Q13562](#)

RefSeq Size: 3002

Cytogenetics: 2q31.3

RefSeq ORF: 1068

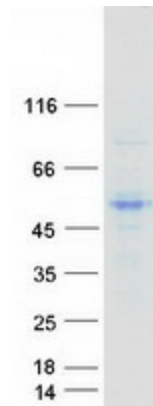
Synonyms: BETA2; BHF-1; bHLHa3; MODY6; NEUROD; T2D

**Summary:** This gene encodes a member of the NeuroD family of basic helix-loop-helix (bHLH) transcription factors. The protein forms heterodimers with other bHLH proteins and activates transcription of genes that contain a specific DNA sequence known as the E-box. It regulates expression of the insulin gene, and mutations in this gene result in type II diabetes mellitus. [provided by RefSeq, Jul 2008]

**Protein Families:** Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors

**Protein Pathways:** Maturity onset diabetes of the young

### Product images:



Coomassie blue staining of purified NEUROD1 protein (Cat# TP301987). The protein was produced from HEK293T cells transfected with NEUROD1 cDNA clone (Cat# [RC201987]) using MegaTran 2.0 (Cat# [TT210002]).