

Product datasheet for **TP301987L**

NEUROD1 (NM_002500) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human neurogenic differentiation 1 (NEUROD1), 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC201987 protein sequence
Red=Cloning site **Green**=Tags(s)

MTKSYSESGLMGEPQPQGPSSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLRNGGEEDEDEDELEEEE
EEEEEDDDQPKRRGPKKKKMTKARLERFKLRRMKANARERNRMHGLNAALDNLKRVPCYSKTQKLSKI
ETLRLAKNYIWALSEILRSKGSPDLVSFVQTLCKGLSQPTTNLVAGCLQLNPRFLPEQNQDMPPHLP
TASAFPVHPYSYQSPGLPSPPYGTMDSHFVHVKPPHAYSAALEPFESPLTDCTSPSFDGPLSPPLSIN
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.

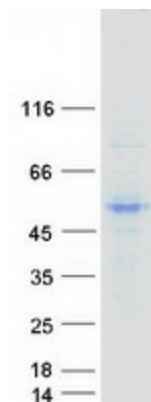
RefSeq: [NP_002491](#)

Locus ID: 4760



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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]).