

## Product datasheet for **TP305293M**

### NEUROD2 (NM\_006160) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human neurogenic differentiation 2 (NEUROD2), 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA** >RC205293 protein sequence  
**Clone or AA Sequence:** Red=Cloning site Green=Tags(s)

MLTRLFSEPGLLSDVPKFASWGDGEDDEPRSDKGDAPPPPPAPGPGAPGPAAAKPVPLRGEEGTEATL  
AEVKEEGELGGEEEEEEEEGLDEAAGERPKKGGPKKRKMTKARLERSKLRRQKANARERNRMHDLNAA  
LDNLRKVVPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKRPDLVSYVQTLCCKLSQPTTNLVAGCLQL  
NSRNFLTEQGADGAGRFHGS GPFAMHPYPYPCSRLAGAQCQAAGGLGGGAHALRTHGYCAAYETLYAA  
AGGGGASPDYNSSEYEGPLSPPLCLNGNFSLKQDSSPDHEKSYHYSMHYSALPGSRPTGHGLVFGSSAVR  
GGVHSENLLSYDMHLHHDGRGPMYEELNAFFHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Predicted MW:** 41.2 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\\_006151](#)  
**Locus ID:** 4761



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UniProt ID: [Q15784](#)

RefSeq Size: 3048

Cytogenetics: 17q12

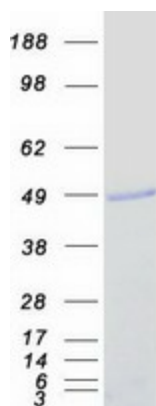
RefSeq ORF: 1146

Synonyms: bHLHa1; DEE72; EIEE72; NDRF

**Summary:** This gene encodes a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of this gene can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. The product of the human gene can induce neurogenic differentiation in non-neuronal cells in *Xenopus* embryos, and is thought to play a role in the determination and maintenance of neuronal cell fates. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

### Product images:



Coomassie blue staining of purified NEUROD2 protein (Cat# [TP305293]). The protein was produced from HEK293T cells transfected with NEUROD2 cDNA clone (Cat# [RC205293]) using MegaTran 2.0 (Cat# [TT210002]).