

Product datasheet for **TP305293**

NEUROD2 (NM_006160) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human neurogenic differentiation 2 (NEUROD2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC205293 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MLTRLFSEPGLLSDVPKFASWGDGEDDEPRSDKGDAPPPPPAPGPGAPGPAAAAKPVPLRGEEGTEATL
AEVKEEGELGGEEEEEEEEEEGLDEAAGERPKKGGPKKRKMTKARLERSKLRRQKANARERNRMHDLNAA
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]).