

## Product datasheet for PH305293

### NEUROD2 (NM\_006160) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NEUROD2 MS Standard C13 and N15-labeled recombinant protein (NP_006151)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205293
Predicted MW:	41.3 kDa
Protein Sequence:	>RC205293 protein sequence Red=Cloning site Green=Tags(s)
	MLTRLFSEPGLLSDVPKFASWGDGEDDEPRSDKGDAPPPPPAPGPGAPGPARAAKPVPLRGEEGTEATL AEVKEEGELGEEEEEEEEEEGLDEAEGERPCKGPKRKMTKARLERSKLRQKANARERNMHDLNAA LDNLRKVVPYCYSKTQKLSKIETLRLAKNYIWALSEILRSGKRPDLVSYVQTLCKGLSQPTTNLVAGCLQL NSRNFLTEQGADGAGRFHSGGPFAMHPYPYPCSRLAGAQCQAAGGLGGGAAHALRTHGYCAAYETLYAA AGGGGASPDYNSSEYEGPLSPPLCLNGNFSLKQDSSPDHEKSYHYSMHYSALPGSRPTGHGLVFGSSAVR GGVHSENLLSYDMHLHHRGPMYEELNAFFHN
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_006151</a></u>
RefSeq Size:	3048
RefSeq ORF:	1146
Synonyms:	bHLHa1; DEE72; EIEE72; NDRF
Locus ID:	4761



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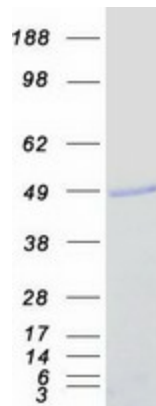
UniProt ID: [Q15784](#)

Cytogenetics: 17q12

**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]).