

Product datasheet for TP305293L

OriGene Technologies, Inc.

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NEUROD2 (NM_006160) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human neurogenic differentiation 2 (NEUROD2), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA >RC205293 protein sequence Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MLTRLFSEPGLLSDVPKFASWGDGEDDEPRSDKGDAPPPPPPAPGPGAPGPARAAKPVPLRGEEGTEATL AEVKEEGELGGEEEEEEEEGLDEAEGERPKKGGPKKRKMTKARLERSKLRRQKANARERNRMHDLNAA LDNLRKVVPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKRPDLVSYVQTLCKGLSQPTTNLVAGCLQL NSRNFLTEQGADGAGRFHGSGGPFAMHPYPYPCSRLAGAQCQAAGGLGGGAAHALRTHGYCAAYETLYAA AGGGGASPDYNSSEYEGPLSPPLCLNGNFSLKQDSSPDHEKSYHYSMHYSALPGSRPTGHGLVFGSSAVR

GGVHSENLLSYDMHLHHDRGPMYEELNAFFHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 41.2 kDa

Concentration: $>0.05 \mu g/\mu L$ 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.

RefSeg: 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

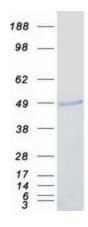
Summary: This gene encodes a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH)

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]).