Recombinant Human NEUROD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NEUROD1-3217H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NEUROD1 MS Standard C13 and N15-labeled recombinant protein (NP_002491) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	39.9 kDa
AA Sequence	MTKSYSESGLMGEPQPQGPPSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLR NGGEEEDEDEDLEEEEEEEEDDDQKPKRRGPKKKKMTKARLERFKLRRMKANAR ERNRMHGLNAALDNLRKVVPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKSPDLVS FVQTLCKGLSQPTTNLVAGCLQLNPRTFLPEQNQDMPPHLPTASASFPVHPYSYQS PGLPSPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSPPLSIN GNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIFSGTAAPRCEIPIDNIMSFDS HSHHERVMSAQLNAIFHDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

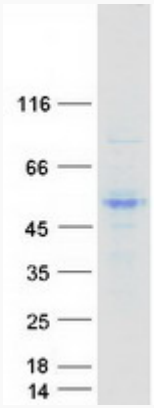
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NEUROD1 neuronal differentiation 1 [Homo sapiens (human)]
Official Symbol	NEUROD1
Synonyms	NEUROD1; neuronal differentiation 1; NEUROD, neurogenic differentiation 1; neurogenic differentiation factor 1; beta cell E box transactivator 2; BETA2; BHF 1; bHLHa3; MODY6; NeuroD; neurogenic helix loop helix protein NEUROD; beta-cell E-box transactivator 2; class A basic helix-loop-helix protein 3; neurogenic helix-loop-helix protein NEUROD; basic helix-loop-helix transcription factor; BHF-1; NEUROD;
Gene ID	4760
mRNA Refseq	NM_002500
Protein Refseq	NP_002491
MIM	601724
UniProt ID	Q13562

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SDS-PAGE	

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