

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

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

SPECIFICATION

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|-------------------------|---|
| 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 | MTKSYSESGLMGEPQPQGPSSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLR NGGEEDEDEDLEEEEEEEEEEDDDQKPKRRGPKKKKMTKARLERFKLRRMKANAR ERNRMHGLNAALDNLKVVPCYSKTQKLSKIETRLAKNYIWALSEILRSGKSPDLVS 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

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|-----------------------|--|
| 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

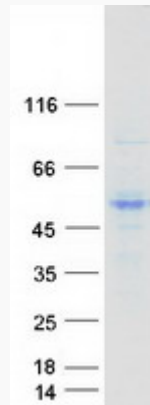
| | |
|------------------------|--|
| Gene Name | NEUROD1 neuronal differentiation 1 [Homo sapiens (human)] |
| Official Symbol | NEUROD1 |
| Synonyms | NEUROD1; neuronal differentiation 1; NEUROD, neurogenic differentiation 1; neurogenic differentiation factor 1; beta cell E box transactivator 2; BETA2; 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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