Recombinant Full Length Human NEUROD1 Protein, C-Flag-tagged

Cat. No. NEUROD1-389HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NEUROD1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.7 kDa
AA Sequence	MTKSYSESGLMGEPQPQGPPSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLR NGGEEEDEDEDLEEEE EEEEEDDDQKPKRRGPKKKKMTKARLERFKLRRMKANA RERNRMHGLNAALDNLRKVVPCYSKTQKLSKI ETLRLAKNYIWALSEILRSGKSPDL VSFVQTLCKGLSQPTTNLVAGCLQLNPRTFLPEQNQDMPPHLPTA SASFPVHPYSY QSPGLPSPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSPPL SIN GNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIFSGTAAPRCEIPIDNIMS FDSHSHHERVMSAQL

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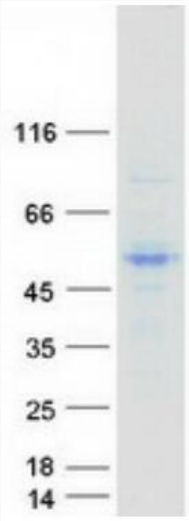
	NAIFHDTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Transcription Factors
Protein Pathways	Maturity onset diabetes of the young
Full Length	Full L.

GENE INFORMATION

Gene Name	NEUROD1 neuronal differentiation 1 [Homo sapiens (human)]
Official Symbol	NEUROD1
Synonyms	T2D; BETA2; BHF-1; MODY6; NEUROD; bHLHa3
Gene ID	4760

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mRNA Refseq	NM_002500.5
Protein Refseq	NP_002491.3
MIM	601724
UniProt ID	Q13562



Coomassie blue staining of purified NEUROD1 protein.

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