Recombinant Human NEUROD1 Protein, His-tagged

Cat. No. NEUROD1-07H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NeuroD1 (Thr2-Asp356) with a N-terminal 6x histidine tag was derived from E.coli
Species	Human
Source	E.coli
ProteinLength	2-356
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	Lyophilized powder
Molecular Mass	37 kDa
Purity	> 85%
Applications	Protein-protein Interaction, Post-translational Modifications, ELISA, EIA, WB, DB, IP, Protein Array, etc.
Storage	Upon arrival, the lyophilized protein may be stored for 2 weeks at 4 centigrade. For

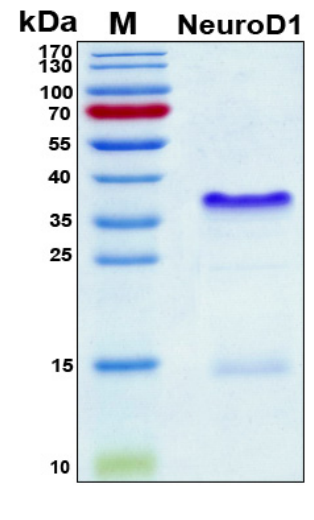
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	long term storage, it is recommended to store desiccated below -20 centigrade in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 centigrade. For long term storage, it is recommended to make appropriate aliquots and store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.45 μm filtered solution in 1x PBS (pH 7.4).
Reconstitution	Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to reconstitute at 0.5~1.0 mg/mL with sterile deionized water.
Shipping	Ice packs

GENE INFORMATION

Gene Name	NEUROD1 neuronal differentiation 1 [Homo sapiens (human)]
Official Symbol	NEUROD1
Synonyms	NEUROD1; neuronal differentiation 1; T2D; BETA2; BHF-1; MODY6; NEUROD; bHLHa3; neurogenic differentiation factor 1; basic helix-loop-helix transcription factor; beta-cell E-box transactivator 2; class A basic helix-loop-helix protein 3; neurogenic helix-loop-helix protein NEUROD
Gene ID	4760
mRNA Refseq	NM_002500
Protein Refseq	NP_002491
MIM	601724

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UniProt ID	Q13562
SDS-PAGE	 SDS-PAGE under reducing conditions and visualized by Coomassie blue staining

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