

## Recombinant Human NEUROD1 protein, GST-tagged

Cat. No. NEUROD1-1268H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NEUROD1 protein(1-356 aa), fused with N-terminal GST tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-356 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
<b>AASequence</b>	MTKSYSESGLMGEPQPQGPSSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLR NGGEEDEDEDELEEEEEEEEEEDDDQKPKRRGPKKKKMTKARLERFKLRRMKANAR ERNRMHGLNAALDNLKVVPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKSPDLVS FVQTLCKGLSQPTTNLVAGCLQLNPRFTLPEQNQDMPPHLPTASASFPVHPYSYQS PGLPSPPYGTMDSSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSPPLSIN GNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIFSGTAAPRCEIPIDNIMSFD HSHHERVMSAQLNAIFHD
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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**Storage** Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

**Reconstitution** Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

**Gene Name** [NEUROD1 neuronal differentiation 1 \[ Homo sapiens \]](#)

**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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