

Recombinant Human NEUROD1 protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human NEUROD1 protein(1-356 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-356 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 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).
AASequence	MTKSYSESGLMGEPQPQGPPSWTDECLSSQDEEHEADKKEDDLEAMNAEEDSLR NGGEEDEDEDELEEEEEEEEEEDDDQKPKRRGPKKKKMTKARLERFKLRRMKANAR ERNRMHGLNAALDNLRKVPCYSKTQKLSKIETLRLAKNYIWALSEILRSGKSPDLVS FVQTLCKGLSQPTTNLVAGCLQLNPRTFLPEQNQDMPPHLPTASASFPVHPYSYQS PGLPSPPYGTMDSSHVFHVKPPPHAYSAALEPFFESPLTDCTSPSFDGPLSPPLSIN GNFSFKHEPSAEFEKNYAFTMHYPAATLAGAQSHGSIFSGTAAPRCEIPIDNIMSFDS HSHHERVMSAQLNAIFHD
Purity	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

SDS-PAGE

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