

Recombinant Human NEUROD2 293 Cell Lysate

Cat. No. NEUROD2-3867HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for neurogenic differentiation 2 (NEUROD2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NEUROD2 neuronal differentiation 2 [Homo sapiens]

Official Symbol

NEUROD2

Synonyms

NEUROD2; neuronal differentiation 2; neurogenic differentiation 2; neurogenic differentiation factor 2; bHLHa1; NDRF; neuroD-related factor; class A basic helix-loop-helix protein 1; neurogenic basic-helix-loop-helix protein; MGC26304;

Gene ID

4761

mRNA Refseq

NM_006160

Protein Refseq

NP_006151

MIM

601725

UniProt ID

Q15784

**Chromosome
Location**

17q12

Function

DNA binding; E-box binding; protein heterodimerization activity; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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