Recombinant Human NEUROG3 293 Cell Lysate

Cat. No. NEUROG3-3863HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for neurogenin 3 (NEUROG3) 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.
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.

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GENE INFORMATION

Gene Name	NEUROG3 neurogenin 3 [Homo sapiens]
Official Symbol	NEUROG3
Synonyms	NEUROG3; neurogenin 3; neurogenin-3; Atoh5; bHLHa7; Math4B; ngn3; protein atonal homolog 5; class A basic helix-loop-helix protein 7; NGN-3;
Gene ID	50674
mRNA Refseq	NM_020999
Protein Refseq	NP_066279
MIM	604882
UniProt ID	Q9Y4Z2
Chromosome Location	10q21.3
Pathway	Developmental Biology, organism-specific biosystem; Maturity onset diabetes of the young, organism-specific biosystem; Maturity onset diabetes of the young, conserved biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; Regulation of beta-cell development, organism-specific biosystem; Regulation of gene expression in endocrine-committed (NEUROG3+) progenitor cells, organism-specific biosystem; Regulation of gene expression in late stage (branching morphogenesis) pancreatic bud precursor cells, organism-specific biosystem;
Function	DNA binding; double-stranded DNA binding; transcription coactivator activity;

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