

Recombinant Human NEUROG1 293 Cell Lysate

Cat. No. NEUROG1-3865HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for neurogenin 1 (NEUROG1) 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	NEUROG1 neurogenin 1 [Homo sapiens]
Official Symbol	NEUROG1
Synonyms	NEUROG1; neurogenin 1; NEUROD3; neurogenin-1; AKA; bHLHa6; Math4C; neurogenic differentiation 3; ngn1; NGN-1; neurogenic differentiation factor 3; class A basic helix-loop-helix protein 6; neurogenic basic-helix-loop-helix protein;
Gene ID	4762
mRNA Refseq	NM_006161
Protein Refseq	NP_006152
MIM	601726
UniProt ID	Q92886
Chromosome Location	5q23-q31
Pathway	Regulation of Wnt-mediated beta catenin signaling and target gene transcription, organism-specific biosystem;
Function	DNA binding; E-box binding; chromatin binding; sequence-specific DNA binding transcription factor activity; transcription factor binding transcription factor activity;

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