

Recombinant Human ASCL1 293 Cell Lysate

Cat. No. ASCL1-8654HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for achaete-scute complex homolog 1 (Drosophila) (ASCL1) 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

ASCL1 achaete-scute complex homolog 1 (Drosophila) [Homo sapiens]

Official Symbol

ASCL1

Synonyms

ASCL1; achaete-scute complex homolog 1 (Drosophila); achaete scute complex (Drosophila) homolog like 1 , achaete scute complex like 1 (Drosophila); achaete-scute homolog 1; ASH1; bHLHa46; HASH1; ASH-1; achaete scute protein; achaete-scute complex-like 1; class A basic helix-loop-helix protein 46; MASH1;

Gene ID

429

mRNA Refseq

NM_004316

Protein Refseq

NP_004307

MIM

100790

UniProt ID

P50553

Chromosome Location

12q22-q23

Pathway

Delta-Notch Signaling Pathway, organism-specific biosystem; Notch-mediated HES/HEY network, organism-specific biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;

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Function

DNA binding; E-box binding; bHLH transcription factor binding; double-stranded DNA binding; protein binding; protein homodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription factor binding transcription factor activity;

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