

Recombinant Human HEYL 293 Cell Lysate

Cat. No. HEYL-5573HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for hairy/enhancer-of-split related with YRPW motif-like (HEYL) 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

HEYL hairy/enhancer-of-split related with YRPW motif-like [Homo sapiens]

Official Symbol

HEYL

Synonyms

HEYL; hairy/enhancer-of-split related with YRPW motif-like; hairy/enhancer-of-split related with YRPW motif-like protein; bHLHb33; hairy/enhancer of split related with YRPW motif 3; HEY3; HRT-3; hHRT3; hHeyL; HEY-like protein; hairy-related transcription factor 3; class B basic helix-loop-helix protein 33; hairy/enhancer-of-split related with YRPW motif 3; HRT3; MGC12623;

Gene ID

26508

mRNA Refseq

NM_014571

Protein Refseq

NP_055386

MIM

609034

UniProt ID

Q9NQ87

**Chromosome
Location**

1p34.3

Pathway

NOTCH1 Intracellular Domain Regulates Transcription, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by NOTCH, organism-

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specific biosystem; Signaling by NOTCH1, organism-specific biosystem;

Function

AF-1 domain binding; DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in positive regulation of transcription; RNA polymerase II core promoter sequence-specific DNA binding; RNA polymerase II core promoter sequence-specific DNA binding transcription factor activity; RNA polymerase II transcription corepressor activity; microsatellite binding; protein binding; protein binding transcription factor activity; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; transcription corepressor activity; transcription factor binding;

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