

Recombinant Human ARNT2 293 Cell Lysate

Cat. No. ARNT2-8691HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for aryl-hydrocarbon receptor nuclear translocator 2 (ARNT2) 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

ARNT2 aryl-hydrocarbon receptor nuclear translocator 2 [Homo sapiens]

Official Symbol

ARNT2

Synonyms

ARNT2; aryl-hydrocarbon receptor nuclear translocator 2; aryl hydrocarbon receptor nuclear translocator 2; bHLHe1; KIAA0307; ARNT protein 2; class E basic helix-loop-helix protein 1;

Gene ID

9915

mRNA Refseq

NM_014862

Protein Refseq

NP_055677

MIM

606036

UniProt ID

Q9HBZ2

Chromosome Location

15q25.1

Pathway

Pathways in cancer, organism-specific biosystem; Renal cell carcinoma, organism-specific biosystem; Renal cell carcinoma, conserved biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;

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Function

DNA binding; aryl hydrocarbon receptor binding; protein heterodimerization activity; protein heterodimerization activity; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; signal transducer activity;

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