

Recombinant Human FOXA2 293 Cell Lysate

Cat. No. FOXA2-6163HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for forkhead box A2 (FOXA2), transcript variant 2 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 FOXA2 forkhead box A2 [Homo sapiens]

Official Symbol FOXA2

Synonyms FOXA2; forkhead box A2; hepatocyte nuclear factor 3, beta , HNF3B; hepatocyte nuclear factor 3-beta; HNF-3B; TCF-3B; HNF-3-beta; forkhead box protein A2; transcription factor 3B; hepatic nuclear factor-3-beta; hepatocyte nuclear factor 3, beta; HNF3B; TCF3B; MGC19807;

Gene ID 3170

mRNA Refseq NM_021784

Protein Refseq NP_068556

MIM 600288

UniProt ID Q9Y261

Chromosome Location 20p11

Pathway Developmental Biology, organism-specific biosystem; FOXA transcription factor networks, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks,

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organism-specific biosystem; Heart Development, organism-specific biosystem;
Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem;
Maturity onset diabetes of the young, organism-specific biosystem;

Function

DNA binding; DNA binding, bending; RNA polymerase II core promoter proximal
region sequence-specific DNA binding; SMAD binding; double-stranded DNA binding;
protein domain specific binding; sequence-specific DNA binding; sequence-specific
DNA binding transcription factor activity; sequence-specific distal enhancer binding
RNA polymerase II transcription factor activity; transcription factor binding;
transcription regulatory region DNA binding;