

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;