

Recombinant Human FOXA2

Cat. No. FOXA2-28944TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FOXA2; amino acids 1-457, MWt 48.3kDa.
Species	Human
Source	E.coli
ProteinLength	1-457 a.a.
Description	This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific genes such as albumin and transthyretin, and they also interact with chromatin. Similar family members in mice have roles in the regulation of metabolism and in the differentiation of the pancreas and liver. This gene has been linked to sporadic cases of maturity-onset diabetes of the young. Transcript variants encoding different isoforms have been identified for this gene.
Molecular Weight	48.300kDa
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 500mM L-arginine, 300mM Guanidine-HCl, 50mM HEPES, 5mM Cystamine, 5mM Cysteamine, 5mM Calcium chloride, 3mM DTT, pH 7.5

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Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Contains 1 fork-head DNA-binding domain.
Full Length	Full L.

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;
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;

Function

DNA bending activity; DNA binding; RNA polymerase II core promoter proximal region
sequence-specific DNA binding; SMAD binding; double-stranded DNA binding;

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