

Recombinant Full Length Human FOXA2 Protein, GST-tagged

Cat. No. FOXA2-5046HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FOXA2 full-length ORF (NP_068556.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	457 amino acids
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. [provided by RefSeq
Molecular Mass	74.7 kDa
AA Sequence	MLGAVKMEGHEPSDWSSYYAEPEGYSSVSNMNAGLGMNGMNTYMSMSAAAMGS GSGNMSAGSMNMSSYVGAGMSPSLAGMSPGAGAMAGMGGSAGAAGVAGMGPH LSPSLSPLGGQAAGAMGGLAPYANMNSMSPMYGQAGLSRARDPKTYRRSYTHAK PPYSYISLITMAIQQSPNKMLTLSEIYQWIMDLFPFYRQNQQRWQNSIRHSLSFNDCF LKVPRSPDKPGKGSFWTLHPDSGNMFENGCYLRRQKRFKCEKQLALKEAAGAAGS GKKAAGAQAQASQAQLGEAAGPAETPAGTESPHSSASPCQEHKRGGGLGELKGTPA

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AALSPPEPAPSPGQQQAAAHLGPPHHPGLPPEAHLKPEHHYAFNHPFSINNLMSS
 SEQQHHHSHHHQPHKMDLKAYEQVMHYPGYGSMPGSLAMGPVTNKTGLDASP
 LAADTSYYQGVYSRPIMNSS

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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

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MIM	600288
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UniProt ID	Q9Y261
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