

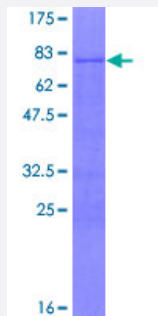
Full-Length

FOXA2 (Human) Recombinant Protein (P01)

Catalog # H00003170-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human FOXA2 full-length ORF (NP_068556.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLGAVKMEGHEPSDWSSYYAEPEGYSSVSNMNAGLGMNGMNTYMSMSAAAMGSGSGNMSAG
SMNMSSYVGAGMSPSLAGMSPGAGAMAGMGSAGAAGVAGMGPHLSPSLPLGGQAAGAM
GGLAPYANMNSMSPMYGQAGLSRARDPKTYRRSYTHAKPPYSYISLITMAIQQSPNKMLTLSEIQ
WIMDLFPFYRQNRWQNSIRHLSFNDCFLKVPRSPDKPGKGSFWTLHPDSGNMFENGCYLR
RQKRFKCEKQLALKEAAGAAGSGKAAAAGAASQAQLGEAAGPASETPAGTESPHSSASPCQ
EHKRGGGLGELKGTPAAALSPPEPAPSPGQQQAAAHLLGPPHHPGLPPEAHLKPEHHYAFNHP
FSINLMSSEQQHHSHHHHQP HKMDLKAYEQVMHYPGYGSPMPGSLAMGPVTNKTGLDASPL
AADTSYYQGVYSRPIMNSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

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

Storage Instruction

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

Note

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

Applications

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

Gene Info — FOXA2

Entrez GeneID[3170](#)**GeneBank Accession#**[NM_021784.3](#)**Protein Accession#**[NP_068556.1](#)**Gene Name**

FOXA2

Gene Alias

HNF3B, MGC19807, TCF3B

Gene Description

forkhead box A2

Omim ID[600288](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

OTTHUMP00000030409|OTTHUMP00000030410|hepatic nuclear factor-3-beta|hepatocyte nuclear factor 3, beta

Pathway

- [Maturity onset diabetes of the young](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)