

# Recombinant Human FOXA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** FOXA1-2518H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | FOXA1 MS Standard C13 and N15-labeled recombinant protein (NP_004487) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a member of the forkhead class of DNA-binding proteins. These hepatocyte nuclear factors are transcriptional activators for liver-specific transcripts 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.                                                                                             |
| <b>Molecular Mass</b>   | 49.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MLGTVKMEGHETSDWNSYYADTQEAYSSVPVSNMNSGLGSMNSMNTYMTMNTM<br>TTSGNMTPASFNMSYANPGLGAGLSPGAVAGMPGGSAGAMNSMTAAGVTAMGTA<br>LSPSGMGAMGAQQAASMNGLGPYAAAMNPCMSPMAYAPSNLGRSRAGGGGDAK<br>TFKRSYPHAKPPYSYISLITMAIQQAPSKMLTLSEIYQWIMDLFPYYRQNQQRWQNSI<br>RHLSLFNDCFVKVARSPDKPGKGSYWTLHPDSGNMFENGCYLRRQKRFKCEKQP<br>GAGGGGGSGSGGSGAKGGPESRKDPGASNPADSPLHRGVHGTKGQLEGAPA<br>PGPAASPQTLDHSGATATGGASELKTASSTAPPISSGPGALASVPASHPAHGLAP<br>HESQLHLKGDPHYSFNHPFSINNLMSSSEQQHKLDFKAYEQALQYSPYGSTLPASL |

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|                       |                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------|
|                       | PLGSASVTTRSPIEPSALEPAYYQGVYSRPVLNTSTRTRPLEQKLISEEDLAANDILD<br>YKDDDDKV                     |
| <b>Purity</b>         | > 80% as determined by SDS-PAGE and Coomassie blue staining                                |
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

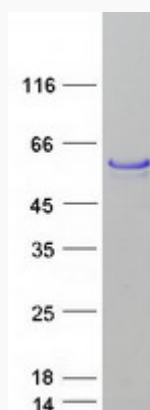
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FOXA1 forkhead box A1 [ Homo sapiens (human) ]                                                                                                                                                                                                   |
| <b>Official Symbol</b> | FOXA1                                                                                                                                                                                                                                            |
| <b>Synonyms</b>        | FOXA1; forkhead box A1; hepatocyte nuclear factor 3, alpha, HNF3A; hepatocyte nuclear factor 3-alpha; HNF-3A; TCF-3A; HNF-3-alpha; forkhead box protein A1; transcription factor 3A; hepatocyte nuclear factor 3, alpha; HNF3A; TCF3A; MGC33105; |
| <b>Gene ID</b>         | 3169                                                                                                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_004496                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | NP_004487                                                                                                                                                                                                                                        |

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