

## Native Human AFP Protein

**Cat. No.** AFP-412H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AFP native protein from human urine, Iodination Grade.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | <p>This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and the liver during fetal life. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. However, hereditary persistence of alpha-fetoprotein may also be found in individuals with no obvious pathology. The protein is thought to be the fetal counterpart of serum albumin, and the alpha-fetoprotein and albumin genes are present in tandem in the same transcriptional orientation on chromosome 4. Alpha-fetoprotein is found in monomeric as well as dimeric and trimeric forms, and binds copper, nickel, fatty acids and bilirubin. The level of alpha-fetoprotein in amniotic fluid is used to measure renal loss of protein to screen for spina bifida and anencephaly. [provided by RefSeq, Jul 2008]</p> |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >= 98% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | Antibody Production<br>SDS-PAGE<br>Conjugation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                       |                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>          | Universal Precautions. Safe laboratory practices should be used when handling this material.                                                                                        |
| <b>Storage</b>        | Store at 4centigrade on dry atmosphere or store at -20centigrade for long term storage.After reconstitution, store at -20centigrade.Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | In 0.1M sodium phosphate buffer, 0.2M NaCl, pH 7.4 (0.09% sodium azide)                                                                                                             |

## GENE INFORMATION

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">AFP alpha-fetoprotein [ Homo sapiens ]</a>                        |
| <b>Official Symbol</b> | <a href="#">AFP</a>                                                           |
| <b>Synonyms</b>        | AFP; alpha-fetoprotein; HPAFP; FETA; alpha-fetoglobulin; alpha-1-fetoprotein; |
| <b>Gene ID</b>         | <a href="#">174</a>                                                           |
| <b>mRNA Refseq</b>     | <a href="#">NM_001134</a>                                                     |
| <b>Protein Refseq</b>  | <a href="#">NP_001125</a>                                                     |
| <b>MIM</b>             | <a href="#">104150</a>                                                        |
| <b>UniProt ID</b>      | <a href="#">P02771</a>                                                        |

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