

Native Human AFP Protein

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

SPECIFICATION

Product Overview	Human AFP native protein from human urine, Iodination Grade.
Species	Human
Source	Human
Description	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]
Form	Liquid
Purity	>= 98% by SDS-PAGE
Applications	Antibody Production SDS-PAGE Conjugation

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Notes	Universal Precautions. Safe laboratory practices should be used when handling this material.
Storage	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.
Storage Buffer	In 0.1M sodium phosphate buffer, 0.2M NaCl, pH 7.4 (0.09% sodium azide)

GENE INFORMATION

Gene Name	AFP alpha-fetoprotein [Homo sapiens]
Official Symbol	AFP
Synonyms	AFP; alpha-fetoprotein; HPAFP; FETA; alpha-fetoglobulin; alpha-1-fetoprotein;
Gene ID	174
mRNA Refseq	NM_001134
Protein Refseq	NP_001125
MIM	104150
UniProt ID	P02771

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