

Recombinant Human AFP Protein

Cat. No. AFP-0004H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AFP Protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
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 hepatocarcinoma and with teratoma, and has prognostic value for managing advanced gastric cancer. 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.
Applications	ELISA, CLIA, CG
Notes	For research use only, not for use in diagnostic procedure.
Storage	Short term (up to 7 days) store at 2–8 centigrade. Long term, store at - 20 centigrade. Avoid multiple freeze/thaw cycles.

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Storage Buffer Supplied as a 0.2 µm filtered solution of PBS, pH7.4

GENE INFORMATION

Gene Name	AFP alpha-fetoprotein [Homo sapiens (human)]
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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