

Recombinant Human Alpha-Fetoprotein

Cat. No. AFP-48H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Alpha-Fetoprotein was expressed in yeast.
Species	Human
Source	Yeast
Description	Alpha fetoprotein(AFP) is a glycoprotein with a molecular weight of between 65,000 and 70,000 daltons including 4% of carbohydrate . During fetal development, AFP maintains high levels in the serum and drops to very low levels throughout the remainder of life.AFP is elevated in the malignant diseases of hepatocellular, testicular nonseminomatous origin, and occasionally of other entodermal origin. AFP may be slightly elevated or persisted in the patients with large hepatic metastases or viral hepatitis. AFP measurement is widely accepted as tumor marker and for monitoring the therapeutic effectiveness of hepatocellular cancer and nonseminomatous testicular cancer.
Form	Lyophilized from sterile 20mM PB,240mM NaCl,PH6.0.
Molecular Mass	17.5kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE
Applications	Western blotting, ELISA

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Storage

Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -80°C.

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](#)

UniProt ID [P02771](#)

Chromosome Location 4q11-q13

Pathway Direct p53 effectors, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;

Function metal ion binding;

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