

AFP

Native Human Alpha-Fetoprotein (AFP)

Catalog No.	CSI10380	Quantity:	1.0 mg
Alternate Names:	Alpha-fetoprotein, Alpha-1-fetoprotein, Alpha-fetoglobulin, AFP		
Description:	Human Alpha Fetoprotein (AFP) is a major plasma protein produced by the yolk sac and the liver during fetal development. Alpha-fetoprotein expression in adults is often associated with hepatoma or teratoma. The protein is thought to be the fetal counterpart of serum albumin. 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.		
Gene ID:	174		
UniProt ID:	P02771		
Source:	Human cord blood		
Appearance:	Clear, colorless to light straw liquid		
Molecular Weight:	69 kD		
Formulation:	Sterile-filtered Tris-buffered saline, pH 7.5 containing < 0.100% sodium azide.		
Concentration:	0.9 - 2.0 mg/ml, lot specific ($E^{0.1\%}_{280nm} = 0.52$)		
Purity:	≥ 99% by SDS-PAGE		
Identity:	Confirmed by Western blot and ELISA		
Handling:	Briefly centrifuge vial to consolidate product before opening.		
Storage & Stability:	Store at 2-8 °C for 1 year. DO NOT FREEZE.		
Statement:	Non-infectious disease statement: Negative or non-reactive at the donor level for HIV 1 and 2 (antibodies or NAT), HCV (antibodies or NAT), and HBsAg. However, because no test method can offer complete assurance that infectious agents are absent, this material should be handled at the Biosafety Level 2 (BSL 2) as recommended for any potentially infectious human serum or blood specimen in the CDC/NIH manual "Biosafety in Microbiological and Biomedical Laboratories", 2009.		

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