

AFP

Native Human Alpha-Fetoprotein

Catalog No.	CSI10379	Quantity:	100 µg
Alternate Names:	AFP, Alpha-1-fetoprotein, Alpha-fetoglobulin, Alpha-Fetoprotein, FETA, HPAFP, ALB		
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.		
UniProt ID:	P02771		
Gene ID:	174		
Source:	Human Cord Serum		
Molecular Weight:	69 kD		
Formulation:	Sterile-filtered Tris-buffered saline, pH 7.5 with 0.09% sodium azide.		
Concentration:	1.20 mg/ml ($E^{0.1\%}_{280nm} = 0.52$)		
Purity:	>99% by SDS-PAGE		
Storage & Stability:	Store at 2-8 °C. 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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