

Product datasheet for BA1024

Alpha-fetoprotein / AFP Human Protein

Product data:

Product Type:	Native Proteins
Description:	Alpha-fetoprotein / AFP human protein, 1 mg
Species:	Human
Protein Source:	Cell culture
Concentration:	lot specific
Purity:	>95% ≥95% pure by PAGE Electrophoresis and Western blot.
Buffer:	Presentation State: Aff - Purified State: Liquid (0.2 µm filtered) affinity purified fraction. Buffer System: 0.1M Tris, 0.2M Sodium Chloride, pH 7.5 Preservative: 0.09% Sodium Azide
Preparation:	Liquid (0.2 µm filtered) affinity purified fraction.
Protein Description:	Human Alpha Fetoprotein (AFP) Antigen Grade.
Note:	Caution: The cell line supernatant tested negative for HIV 1, HIV 2, and HCV antibodies, HIV Ag and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Short term (up to 14 days) store at 2-8°C. Long term, aliquot and store at -20°C.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001125</u>
Locus ID:	174
Cytogenetics:	4q13.3
Synonyms:	Alpha-1-fetoprotein, Alpha-fetoglobulin, HPAFP

[View online »](#)

Summary:

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. [provided by RefSeq, Oct 2019]

Protein Families:

Druggable Genome, Secreted Protein