

## 32-13019: AFP Protein

**Alternative Name :** Alpha-Fetoprotein, Alpha-1-Fetoprotein, Alpha-Fetoglobulin, HPAFP, AFPD, FETA, HP, Alpha-fetoprotein.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

AFP is normally synthesized in the liver, intestinal tract, and yolk sac of the fetus. Antibody to AFP has been shown to be useful in detecting hepatocellular carcinomas (HCC) and germ cell neoplasms, especially yolk sac tumors.

AFP produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 600 amino acids (19-609a.a.) and having a molecular mass of 67.5kDa (Molecular size on SDS-PAGE will appear at approximately 57-70kDa). AFP is expressed with a ADP at N-terminus and 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** AFP protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADPRTLHRNEYGI ASILDSYQCT AEISLADLAT IFFAQFVQEA TYKEVSKMVK DALTAIEKPT GDEQSSGCLE NQLPAFLEEL CHEKEILEKY GHSDCCSQSE EGRHNCFLAH KKPTPASIPL FQVPEPVTSC EAYEEDRETF MNKFIYEIAR RHPFLYAPTI LLWAARYDKI IPSCCKAENA VECFQTKAAT VTKELRSSL LNQHACAVMK NFGTRTFQAI TVTKLSQKFT KVNFEIQKL VLDVAHVHEH CCRGDVLDCL QDGEKIMSYI CSQQDTLSNK ITECKLTTL ERGQCIIHAE NDEKPEGLSP NLNRFGLDRD FNQFSSGEKN IFLASFVHEY SRRHPQLAVS VILRVAKGYQ ELLEKCFQTE NPLECQDKGE EELQYIQES QALAKRSCGL FQKLGEYYLQ NAFLVAYTKK APQLTSSSELM AITRKMAATA ATCCQLSEDK LLACGEGAAD IIIGHLCIRH EMTPVNPGVG QCCTSSYANR RPCFSSLVVD ETYVPPAFSD DKFIFHKDLC QAQGVALQTM KQEFLINLVK QKPQITEEQL EAVIADFSGL LEKCCQGQEQ EVCFAEEGQK LISKTRALG VHHHHHH.