



Catalog Number: PR27197

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: RTLHRNEYGI ASILDSYQCT AEISLADLAT IFFAQFVQEA TYKEVSKMVK DALTAIEKPT GDEQSSGCLE NQLPAFLEEL CHEKEILEKY GHSDCCSQSE EGRHNCFLAH KKPTPASIPL FQVPEPVTSC EAYEEDRETF MNKFIYEIAR RHPFLYAPTI LLWAARYDKI IPSCCKAENA VECFQTKAAT VTKELRESSL LNQHACAVMK NFGTRTFQAI TVTKLSQKFT KVNFTIQKL VLDVAHVHEH CCRGDVLDCL QDGEKIMSYI CSQQDTLSNK ITECCKLTTL ERGQCIIHAE NDEKPEGLSP NLNRFLGDRD FNQFSSGEKN IFLASFVHEY SRRHPQLAVS VILRVAKGYQ ELLEKCFQTE NPLECQDKGE EELQKYIQES QALAKRSCGL FQKLGEYYLQ NAFLVAYTKK APQLTSSSELM AITRKMAATA ATCCQLSEDK LLACGEGAAD IIIHGLCIRH EMTPVNPVG QCCTSSYANR RPCFSSLVVD ETYVPPAFSD DKFIFHKDLC QAQGVALQTM KQEFNLNLVK QKPQITEEQL EAVIADFSL LEKCCQGEQ EVCFEEGQK LISKTRALG VHHHHHH

Description/Molecular Mass: 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 597 amino acids (19-609a.a.) and having a molecular mass of 67.3kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).

AFP is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatograph techniques.

Purity: Greater than 95.0% as determined by:
(a) Analysis by SDS-PAGE.

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

Storage: 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.

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