

## **Product datasheet for TP306622SE**

## OriGene Technologies, Inc.

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## alpha 1 Fetoprotein (AFP) (NM\_001134) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Human alpha-fetoprotein (AFP), secretory expressed in

HEK293T cells, 20ug

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC206622 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MKWVESIFLIFLLNFTESRTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDA LTAIEKPTGDEQSSGCLENQLPAFLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTPASIPLFQ VPEPVTSCEAYEEDRETFMNKFIYEIARRHPFLYAPTILLWAARYDKIIPSCCKAENAVECFQTKAATVT KELRESSLLNQHACAVMKNFGTRTFQAITVTKLSQKFTKVNFTEIQKLVLDVAHVHEHCCRGDVLDCLQD GEKIMSYICSQQDTLSNKITECCKLTTLERGQCIIHAENDEKPEGLSPNLNRFLGDRDFNQFSSGEKNIF LASFVHEYSRRHPQLAVSVILRVAKGYQELLEKCFQTENPLECQDKGEEELQKYIQESQALAKRSCGLFQ KLGEYYLQNAFLVAYTKKAPQLTSSELMAITRKMAATAATCCQLSEDKLLACGEGAADIIIGHLCIRHEM TPVNPGVGQCCTSSYANRRPCFSSLVVDETYVPPAFSDDKFIFHKDLCQAQGVALQTMKQEFLINLVKQK

PQITEEQLEAVIADFSGLLEKCCQGQEQEVCFAEEGQKLISKTRAALGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Predicted MW:** 70.1 kDa

**Concentration:** >50 ug/mL as determined by microplate Bradford method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol

**Note:** For culture applications, please filter before use. Note that you may experience some loss of

protein during the filtration process.

**Storage:** Store at -80°C after receiving vials.

Stability: Stable for at least 1 year from receipt of products under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.





**RefSeq:** NP 001125

Locus ID: 174

UniProt ID: P02771
RefSeq Size: 2057
Cytogenetics: 4q13.3
RefSeq ORF: 1827

Synonyms: AFPD; FETA; HPAFP

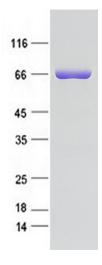
Summary: This gene encodes alpha-fetoprotein, a major plasma protein produced by the yolk sac and

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 persistance 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

## **Product images:**



Coomassie blue staining of purified AFP protein (Cat #TP306622SE). The protein was produced from mammalian cells transfected with AFP cDNA clone (Cat #[RC206622]).