

Product datasheet for **TP306622SE**

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

MKWVESIFLIFLLNFTESRTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDA
LTAIEKPTGDEQSSGCLENQLPAFLEELCHEKEILEKYGHSDCCSQSEGRHNCFLAHKKPTPASIFLQ
VPEPVTSCAYEEDRETFMKNKFIYEIARRHPFLYAPTILLWAARYDKIIPSCCKAENAVECFQTKAATVT
KELRESSLLNQHACAVMKNFGTRTFQAITVTKLSQKFTKVNFTIQLVLDVAHVHEHCCRGDVLDCLQD
GEKIMSYICSQQDTLSNKITECCKLTTLERGQCIIHAENDEKPEGLSPNLNRFGLDRDFNQFSSGEKNIF
LASFVHEYSRRHPQLAVSVILRVAKGYQELLEKCFQTENPLECQDKGEEELQKYIQESQALAKRSCGLFQ
KLGEYYLQNAFLVAYTKKAPQLTSELMAITRKMAATAATCCQLSEDKLLACGEGAADIIIGHLCIRHEM
TPVNPVGVCCTSSYANRRPCFSSLVDETYVPPAFSDDKFIHFKDLCAQGVALQTMKQEFNLVVKQK
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.



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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 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

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]).