

Product datasheet for **TP726766**

beta 2 Microglobulin (B2M) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human HLA-A*0201 AFP complex Protein (C-10His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ile21-Met119&Gly25-Ile308
Tag:	C-10His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 500mM NaCl, pH7.4.
Note:	Recombinant Human B2M&HLA-A is produced by our Mammalian expression system and the target gene encoding Ile21-Met119&Gly25-Ile308 is expressed with a 10His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at $2-8^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months.
Stability:	12 months from date of despatch
Locus ID:	567
UniProt ID:	P61769
Synonyms:	NA
Summary:	Alpha-fetoprotein (AFP) is classified as a member of the albuminoid gene superfamily consisting of albumin, AFP, vitaminD (Gc) protein, and alpha-albumin. AFP is a glycoprotein of 591 amino acids and a carbohydrate moiety. AFP is a major plasma protein produced by the yolk sac and the liver during fetal development. It is thought to be the fetal form of serum albumin. AFP binds to copper, nickel, fatty acids and bilirubin and is found in monomeric, dimeric and trimeric forms. AFP is one of the several embryo-specific proteins and is adominant serum protein as early in human embryonic life as one month, when albumin and transferrin are present in relatively small amounts. It is first synthesized in the human by the yolk sac and liver (1-2 months) and subsequently predominantly in the liver. A small amount of AFP is produced by the GI tract of the human conceptus. It has been proved that AFP may reappear in the serum in elevated amounts in adult life in association with normal restorative processes and with malignnt growth. Alpha-fetoprotein (AFP) is a specific marker for hepatocellular carcinoma (HCC), teratoblastomas, and neural tube defect (NTD).


[View online »](#)

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Antigen processing and presentation