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Datasheet for ABIN7505376

alpha Fetoprotein Protein (AA 273-605) (His tag)

Overview

Quantity:	100 µg
Target:	alpha Fetoprotein (AFP)
Protein Characteristics:	AA 273-605
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha Fetoprotein protein is labelled with His tag.

Product Details

Sequence:	Tyr273-Val605
Characteristics:	A DNA sequence encoding the Mouse AFP (P02772-1) (Tyr273-Val605) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>85 % as determined by reducing SDS-PAGE.

Target Details

Target:	alpha Fetoprotein (AFP)
Alternative Name:	AFP (AFP Products)
Background:	Background: 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 hepatoma or teratoma. 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

Target Details

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.

Synonym: Afp,AFP,Alpha fetoglobulin,Alpha fetoprotein,Alpha fetoprotein precursor,Alpha-1-fetoprotein,Alpha-fetoglobulin,Alpha-fetoprotein,alpha-fetoprotein,Hereditary persistence of,included,FETA,FETA,Hereditary persistence of alpha fetoprotein,HPAFP

Molecular Weight: 25.9 kDa

Pathways: [C21-Steroid Hormone Metabolic Process](#)

Application Details

Comment: used as Immunogen for (ABIN6999865, ABIN7234127, ABIN7234128 and ABIN7234129)

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months