



# Recombinant Mouse Alpha-fetoprotein (Afp)

<b>Product Code</b>	CSB-BP001421MO
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	P02772
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SKALHENEFGIASSTLDSSQCVTEKNVLSIATITFTQFVPEATEEEV NKMTSDVLA AMKKN S G D G C L E S Q L S V F L D E I C H E T E L S N K Y G L S G C C S Q S G V E R H Q C L L A R K K T A P A S V P P F Q F P E P A E S C K A H E E N R A V F M N R F I Y E V S R R N P F M Y A P A I L S L A A Q Y D K V V L A C C K A D N K E E C F Q T K R A S I A K E L R E G S M L N E H V C S V I R K F G S R N L Q A T T I I K L S Q K L T E A N F T E I Q K L A L D V A H I H E E C C Q G N S L E C L Q D G E K V M T Y I C S Q Q N I L S S K I A E C C K L P M I Q L G F C I I H A E N G V K P E G L S L N P S Q F L G D R N F A Q F S S E E K I M F M A S F L H E Y S R T H P N L P V S V I L R I A K T Y Q E I L E K C S Q S G N L P G C Q D N L E E E L Q K H I E E S Q A L S K Q S C A L Y Q T L G D Y K L Q N L F L I G Y T R K A P Q L T S A E L I D L T G K M V S I A S T C C Q L S E E K W S G C G E G M A D I F I G H L C I R N E A S P V N S G I S H C C N S S Y S N R R L C I T S F L R D E T Y A P P P F S E D K F I F H K D L C Q A Q G K A L Q T M K Q E L L I N L V K Q K P E L T E E Q L A A V T A D F S G L L E K C C K A Q D Q E V C F T E E G P K L I S K T R D A L G V
<b>Research Area</b>	Others
<b>Source</b>	Baculovirus
<b>Target Names</b>	Afp
<b>Expression Region</b>	19-605aa
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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 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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

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