



# Recombinant Mouse Alpha-fetoprotein (Afp)

<b>Product Code</b>	CSB-EP001421MO-B
<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>	SKALHENEFGIASLTLDSSQCVTEKNVLSIATITFTQFVPEATEEEV NKMTSDVLA AMKKNSGDGCLESQLSVFLDEICHETELSNKYGLSGCCSQSGVERHQCLLAR KKTAPASVPPFQFPEPAESCKAHEENRAVFMNRFIYEVSRRNPFMYAPAILSL AAQYDKVVLACCKADNKEECFQTKRASI AKELREGSMLNEHVCSVIRKFGSRN LQATTI IKLSQKLTEANFTEIQKLALDVAHIHEECCQGSLECLQDGEKVMTYIC SQQNILSSKIAECCKLPMIQLGFCIIHAENGVKPEGLSLNPSQFLGDRNFAQFSS EEKIMFMASFLHEYSRTHPNLPVSVILRIAKTYQEILEKCSQSGNLP GCQDNLE EELQKHIEESQALSKQSCALYQTLGDYKQLQNLFLIGYTRKAPQLTSAELIDLTGK MVSIASTCCQLSEEKWSGCGEGMADIFIGHLCIRNEASPVNSGISHCCNSSYS NRRLCITSFLRDETYAPPPFSEDKFIFHKDLCQAQ GKALQTMKQELLINLVKQK PELTEEQLAAVTADFSGLLEKCKAQDQEVCFTEEGPKLISKTRDALGV
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<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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