

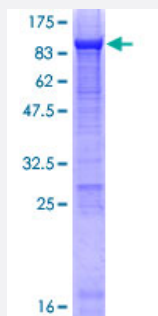
Full-Length

AFP (Human) Recombinant Protein (P01)

Catalog # H00000174-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AFP full-length ORF (AAH27881.1, 1 a.a. - 609 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKWVESIFLIFLLNFTESRTLHRNEYGASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKD
ALTAIEKPTGDEQSSGCLNQLPAFLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTPA
SIPLFQVPEPVTSCAEYEEDRETFMNKFYEIARRHPFLYAPTILLWAARYDKIIPSCCKAENAVECF
QTKAATVTKELRESSLLNQHACAVMKNFGTRTFQAITVTKLSQKFTKVNFTIQKLVDVAHVHEH
CCRGDVLDCLDGEEKIMSYICSQQDTLSNKITECCKLTTLERGQCIIHAENDEKPEGLSPNLNRFL
GDRDFNQFSSGEKNIFLASFVHEYSRRHPQLAVSVILRVAKGYQELLEKCFQTENPLECQDKGEE
ELQKYIQESQALAKRSCGLFQKLGEYYLQNAFLVAYTKKAPQLTSELMAITRKMAATAATCCQLS
EDKLLACGEGAADIIIGHLCIRHEMTPVNTGVGQCCTSSYANRRPCFSSLVVDETYVPPAFSDDKFI
FHKDLCQAQGVALQTMKQEFNLINLVKQKPQITEEQLEAVIADFSGLLEKCCQGQEQEVCF AE EGQ
KLISKTRAALGV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

95.1

Interspecies Antigen Sequence

Mouse (65); Rat (65)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AFP

Entrez GeneID	174
GeneBank Accession#	BC027881.1
Protein Accession#	AAH27881.1
Gene Name	AFP
Gene Alias	FETA, HPAFP
Gene Description	alpha-fetoprotein
Omim ID	104150
Gene Ontology	Hyperlink

Gene 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 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. [provided by RefSeq]

Other Designations

OTTHUMP00000160480|alpha-1-fetoprotein|alpha-fetoglobulin

Disease

- [Carcinoma](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)