

Datasheet for ABIN7538129

alpha Fetoprotein Protein (AA 21-605) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	alpha Fetoprotein (AFP)
Protein Characteristics:	AA 21-605
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This alpha Fetoprotein protein is labelled with His tag.

Product Details

Purpose:	Recombinant mouse AFP protein with C-terminal 6xHis tag
Specificity:	Mouse AFP (Leu21-Val605) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	alpha Fetoprotein (AFP)
Alternative Name:	AFP (AFP Products)
Background:	Predicted to enable fatty acid binding activity and zinc ion binding activity. Acts upstream of or

Target Details

within SMAD protein signal transduction, ovulation from ovarian follicle, and progesterone metabolic process. Located in cytoplasm and extracellular space. Is expressed in several structures, including amniotic fluid, egg cylinder, gut, liver and biliary system, and metanephros. Human ortholog(s) of this gene implicated in hepatitis C. Orthologous to human AFP (alpha fetoprotein). [provided by Alliance of Genome Resources, Apr 2022]

Molecular Weight: predicted molecular mass of 66.0 kDa after removal of the signal peptide. The apparent molecular mass of mAFP-His is 55-70 kDa due to glycosylation.

UniProt: [P02772](#)

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

Application Details

Restrictions: For Research Use only

Handling

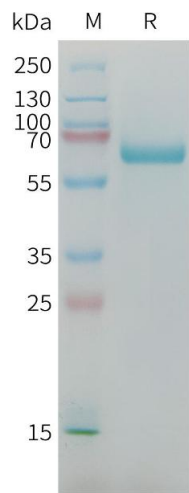
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse AFP Protein, His Tag on SDS-PAGE under reducing condition.