

Recombinant Alpha-Fetoprotein (AFP)

Catalog No.: TP08670

50µg

Sequence Information

Species: Human

Gene ID:174

Swiss Prot:P02771

Synonyms:aFP; A-FP; FETA; HPAPF;

Alpha-Fetoglobulin; Alpha-1-fetoprotein

Residues:Ile31~Ser576

CTAEISLADLATIFFFAQFVQEATYKEVSKMVKDALTAIEKPTGDEQSSGCLENQ
LPAFLLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTASIPLFQVPEP
VTSCAEYEEDRETFMKNFYIEIARRHPFLYAPTILLWAARYDKIIPSCCKAENA
VECFQTKAATVTKELRESSLLNQHACAVMKNFGTRTFQAITVTKLSQKFTKVN
TEIQKLVLDVAHVHEHCCRGDVLDCLQDGEKIMSYICSQQDTLSNKITECKLT
TLERGQCIIHAENDEKPEGLSPNLNRF LGDRDFNQFSSGEKNIFLASFVHEYSR
RHPQLAVSVILRVAKGYQELLEKCFQTENPLECQDKGEEELQKYIQESQALAKR
SCGLFQKLGEYYLQNAFLVAYTKAPQLTSELMAITRMAATAATCCQLSEDK
LLACGEGAADIIIGHLCIRHEMTPVNPVGVCCTSSYANRRPCFSSLVVDETYV
PPAFSDDKFIHFKDLCQAQGVALQTMKQEF LINLVKQKPQITEEQLEAVIADFS

Product Information

Source: Prokaryotic expression.

Host: *E. coli*

Tags: Two N-terminal Tags, His-tag and SUMO-tag

Subcellular Location: Secreted.

Purity: >90%

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl,5%Trehalose.

Original Concentration: 50µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.5

Predicted Molecular Mass: 75.2kDa

Accurate Molecular Mass: 75kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in ddH₂O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

ILDSPVQCTAEISLADLATIFFAQPVQEATYKEVSKMVKDALTAIEKPTGDEQSSGCLENQLPAFLEELCHEKEILEKYGHSDCCSQSEEGRHNCF

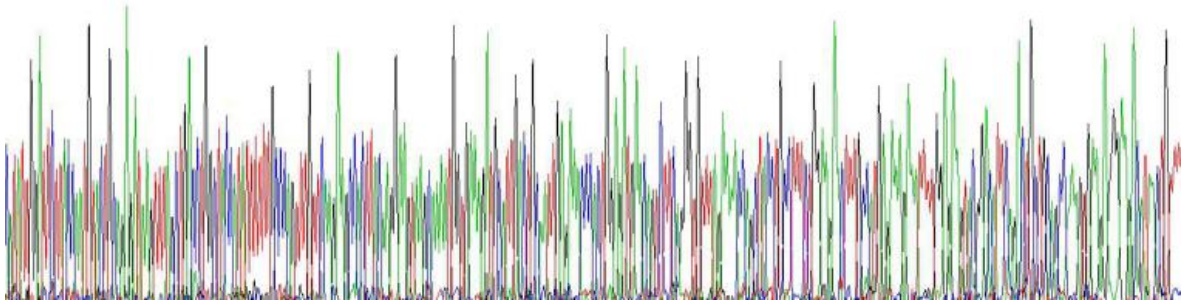


Figure 1. Gene Sequencing (Extract)

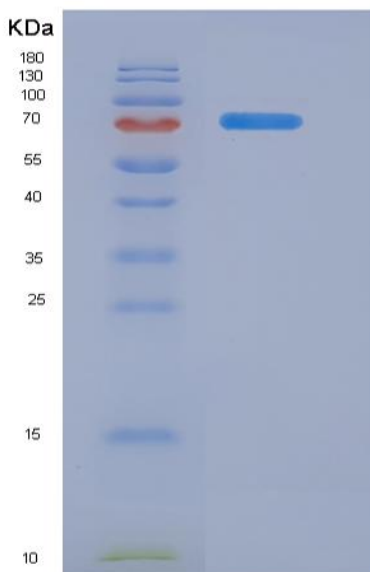


Figure 2. SDS-PAGE



[IMPORTANT NOTE]

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.