

RPA153Hu02 10µg

Recombinant Alpha-Fetoprotein (aFP)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)



## [PROPERTIES]

**Source:** Prokaryotic expression.

Host: E. coli

Residues: Ile31~Ser576
Tags: N-terminal His-Tag

Tissue Specificity: Brain, Liver, Lung, Heart.

Subcellular Location: Secreted.

**Purity: >95%** 

Traits: Freeze-dried powder

Buffer formulation: 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA,

1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200ug/mL

Applications: SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive

Labeling.

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

Predicted isoelectric point: 5.5

Predicted Molecular Mass: 45.3kDa

Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.

## [USAGE]

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 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.



# [SEQUENCE]

			ILDSYQCTAE	ISLADLATIF
FAQFVQEATY	KEVSKMVKDA	LTAIEKPTGD	EQSSGCLENQ	LPAFLEELCH
EKEILEKYGH	SDCCSQSEEG	RHNCFLAHKK	PTPASIPLFQ	VPEPVTSCEA
YEEDRETFMN	KFIYEIARRH	PFLYAPTILL	WAARYDKIIP	SCCKAENAVE
CFQTKAATVT	KELRESSLLN	QHACAVMKNF	GTRTFQAITV	TKLSQKFTKV
NFTEIQKLVL	DVAHVHEHCC	RGDVLDCLQD	GEKIMSYICS	QQDTLSNKIT
ECCKLTTLER	GQCIIHAEND	EKPEGLSPNL	NRFLGDRDFN	QFSSGEKNIF
LASFVHEYSR	RHPQLAVSVI	LRVAKGYQEL	LEKCFQTENP	LECQDKGEEE
Committee of the Commit		KLGEYYLQNA		
TRKMAATAAT	CCQLSEDKLL	ACGEGAADII	IGHLCIRHEM	TPVNPGVGQC
CTSSYANRRP	CFSSLVVDET	YVPPAFSDDK	FIFHKDLCQA	QGVALQTMKQ
EFLINLVKQK	PQITEEQLEA	VIADFS		

# [ IDENTIFICATION ]

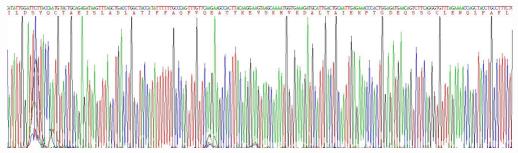


Figure 1. Gene Sequencing (Extract)

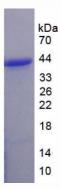


Figure 2. SDS-PAGE