

Recombinant Alpha-Fetoprotein (AFP) Instruction Manual

SIPA394Hu02

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg
Subcellular Location	Secreted
Predicted Molecular Mass	75.2kDa
Accurate Molecular Mass	75kDa(Analysis of differences refer to the manual)
Residues & Tags	Ile31~Ser576 with Two N-terminal Tags, His-tag and SUMO-tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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ILDSYQCTAE ISLADLATIF
FAQFVQEATY KEVSKMVKDA LTAIEKPTGD EQSSGCLENQ LPAFLEELCH
EKEILEKYGH SDCCSQSEEG RHNCFLAHKK PTPASIPLFQ VPEPVTSCFA
YEEDRETFMN KFIYEIARRH PFLYAPTILL WAARYDKIIP SCCKAENAVE
CFQTKAATVT KELRESSLLN QHACAVMKNF GTRTFQAITV TKLSQKFTKV
NFTEIQKLV L DVAHVHEHCC RGDVLDCLQD GEKIMSYICS QQDTLSNKIT
ECCKLTTLER GQCIIHAEND EKPEGLSPNL NRFLGDRDFN QFSSGEKNIF
LASFVHEYSR RHPQLAVSVI LRVAKGYQEL LEKCFQ TENP LECQDKGEEE
LQKYIQESQA LAKRSCGLFQ KLGEYYLQNA FLVAYTKKAP QLTSSSELMAI
TRKMAATAAT CCQLSEDKLL ACGEGAADII IGHLCIRHEM TPVNPVGVC
CTSSYANRRP CFSSLVDET YVPPAFSDDK FIFHKDLCQA QGVALQTMKQ
EFLINLVKQK PQITEEQLEA VIADFS
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USAGE

Reconstitute in ddH₂O to a concentration less than or equal to 0.1mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

ILDSTQCTAEISLADLATIFFAQPFQEATYKEVSKMVKDALTAIEKPTGDEQSSGCLEWQLPAFLLEELCHEKEILEKYGHSDCCSQSEEGRHWC

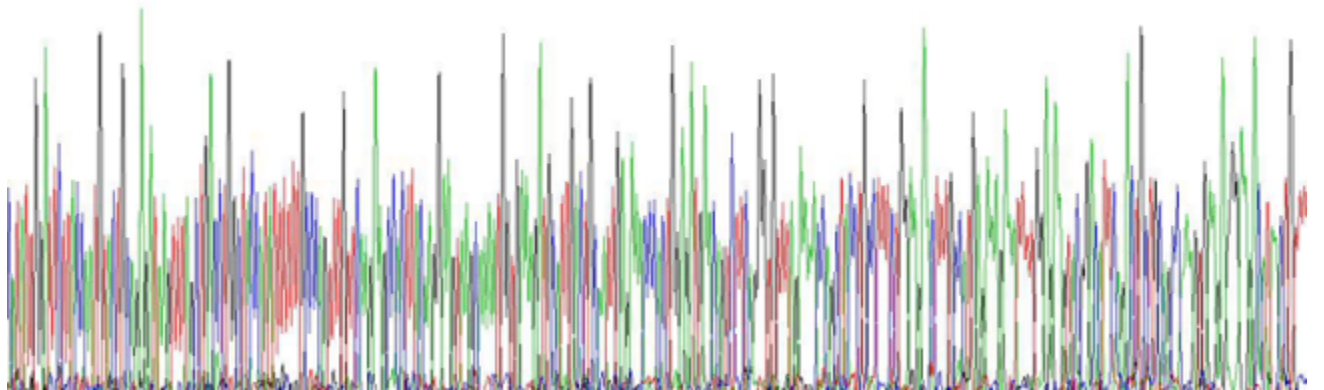


Figure. SDS-PAGE

[IMPORTANT NOTE]

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