

Alpha-Fetoprotein (aFP) Recombinant Protein | aFP recombinant protein

Recombinant Alpha-Fetoprotein (aFP)

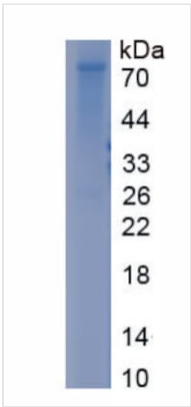
CATALOG # AAA134051	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

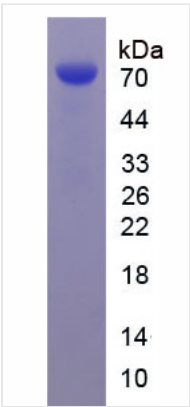
Alpha-Fetoprotein (aFP); Recombinant Alpha-Fetoprotein (aFP); aFP recombinant protein

PRODUCT SPECIFICATIONS

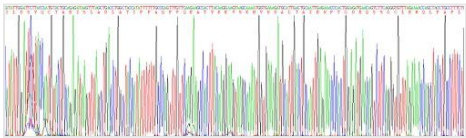
Host	E.coli
Purity/Purification	> 80%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	50ug/mL (varies by lot)
Applicable Applications for aFP recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ile31~Ser576
Tags	Two N-terminal Tags, His-tag and SUMO-tag
Subcellular Location	Secreted
Predicted isoelectric point	5.5
Usage	Reconstitute in ddH2O to a concentration of 0.1-0.2 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree 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 degree 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.



SDS_PAGE



SDS-PAGE



Identification
Gene sequencing (Extract)

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ILDSYQCTAE ISLADLATIF
FAQFVQEATY KEVSKMVKDA LTAIEKPTGD EQSSGCLNQ LPAFLEELCH
EKEILEKYGH SDCCSQSEEG RHNCFLAHKK PTPASIPLFQ VPEPVTSCFA
YEEDRETFMN KFIYEIARRH PFLYAPTILL WAARYDKIIP SCCKAENAVE
CFQTKAATVT KELRESSLLN QHACAVMKNF GTRTFQAITV TKLSQKFTKV
NFTIEIQLVL DVAHVHEHCC RGDVLDCLQD GEKIMSYICS QQDTLSNKIT
ECCKLTTLER GQCIHAEND EKPEGLSPNL NRFLGDRDFN QFSSGKKNIF
LASFVHEYSR RHPQLAVSVI LRVAKGYQEL LEKCFQTENP LECQDKGEE
LQKYIQESQA LAKRSCGLFQ KLGEVYLQNA FLVAYTKKAP QLTSSSELM
TRKMAATAAT CCQLSEDKLL ACGEGAADII IGHLCIRHEM TPVNPVGVC
CTSSYANRRP CFSSLVDEET YVPPAFSDDK FIFHKDLCA QGVALQTMKQ
EFLINLVKQK PQITEEQLEA VIADFS
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501989
NCBI GeneID	174
NCBI Accession #	NP_001125.1
NCBI GenBank Nucleotide #	NM_001134.2
UniProt Accession #	P02771; B2RBU3
Molecular Weight	Predicted Molecular Mass: 75.2kDa Accurate Molecular Mass: 75kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	alpha-fetoprotein
NCBI Official Synonym Full Names	alpha-fetoprotein
NCBI Official Symbol	AFP
NCBI Official Synonym Symbols	FETA; HPAFP
NCBI Protein Information	alpha-fetoprotein; alpha-fetoglobulin; alpha-1-fetoprotein
UniProt Protein Name	Alpha-fetoprotein
UniProt Gene Name	AFP
UniProt Synonym Gene Names	HPAFP
UniProt Entry Name	FETA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.