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Datasheet for ABIN1880589 NFYA Protein (AA 1-318)

Overview

Quantity:	50 µg
Target:	NFYA
Protein Characteristics:	AA 1-318
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Nuclear Transcription Factor Y Subunit α/NFYA
Sequence:	MEQYTANSNS STEQIVVQAG QIQQQVQGQP LMVQVSGGQL ITSTGQPIMV QAVPGGQGQT IMQVPVSGTQ GLQQIQLVPP GQIQIQGGQA VQVQGQGGQT QQIIQQPQT AVTAGQTQTQ QQIAVQGQQV AQTAEGQTIV YQPVNADGTI LQQVTVPVSG MITIPAASLA GAQIVQTGAN TNTTSSGQGT VVTLPVAGN VVNSGGMMVM VPGAGSVPAI QRIP PGAEM LEEEPYVNA KQYNRILKRR QARAKLEAG KIPKERRKYL HESRHRHAMA RKRGEGRFF SPKEKDSPHM QDPNQADEEA MTQIIRVS
Characteristics:	Recombinant Human Nuclear Transcription Factor Y Subunit α/NFYA is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Ser318) of Human NFYA.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	NFYA
Alternative Name:	Nuclear Transcription Factor Y Subunit alpha/nfya (NFYA Products)
Background:	Nuclear Transcription Factor Y Subunit α (NFYA) is a member of the NFYA/HAP2 subunit family. NFYA functions as a heterotrimeric transcription factor, which is composed of three components, NF-YA, NF-YB and NF-YC, binds to CCAAT motifs in the promoter regions in a variety of genes. NFYA forms a highly conserved transcription factor which stimulates the transcription of various genes by recognizing and binding to a CCAAT motif in promoters, for example in type 1 collagen, albumin and beta-actin genes.
Molecular Weight:	33.9 kDa
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g/mL}$. Dissolve the lyophilized protein in ddH ₂ O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.