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Datasheet for ABIN1097227

NFYA Protein (AA 1-318) (GST tag)

Overview

Quantity:	50 µg
Target:	NFYA
Protein Characteristics:	AA 1-318
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFYA protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human Nuclear Transcription Factor Y Subunit α/NFYA (N-GST)
Sequence:	<p>MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPPYID</p> <p>GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV</p> <p>DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK</p> <p>KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSPEFM EQYTANSNSS</p> <p>TEQIVVQAGQ IQQQVQGQPL MVQVSGGQLI TSTGQPIMVQ AVPGGQGQTI MQVPVSGTQG</p> <p>LQQIQLVPPG QIQIQGGQAV QVQGGQGQTQ QIIQQPQTA VTAGQTQTQQ QIAVQGGQVA</p> <p>QTAEGQTIVY QPVNADGTIL QQVTPVPSGM ITIPAASLAG AQIVQTGANT NTTSSGQGTV</p> <p>TVTLPVAGNV VNSGGMVMMV PGAGSVPAIQ RIPLPGAEML EEEPLYVNAK QYNRILKRRQ</p> <p>ARAKLEAEGK IPKERRRYLH ESRHRHAMAR KRGEGRFFS PKEKDSPHMQ DPNQADEEAM</p> <p>TQIIRVS</p>
Characteristics:	Recombinant Human Nuclear Transcription Factor Y Subunit α/NFYA (N-GST)
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

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:	<p>Recombinant Human Nuclear Transcription Factor Y Subunit α/NFYA is produced by our E. coli expression system. The target protein is expressed with sequence (Met1-Ser318) of Human NFYA fused with a GST tag at the N-terminus.</p> <p>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 β-actin genes.</p>
Molecular Weight:	60.58 kDa
UniProt:	P23511
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
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.