Recombinant Human NFYA Protein

Catalog No. PKSH032824

Note: Centrifuge before opening to ensure complete recovery of vial contents.

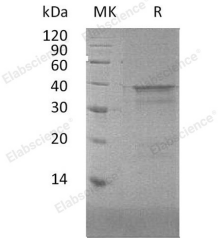
Description

Synonyms	Nuclear Transcription Factor Y Subunit Alpha;CAAT Box DNA-Binding Protein Subunit A;Nuclear Transcription Factor Y Subunit A;NF-YA;NFYA
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ser318
Accession	P23511-2
Calculated Molecular Weight	33.9 kDa
Observed molecular weight	40&60&70 kDa
Tag	None
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Nuclear Transcription Factor Y Subunit α (NFYA) is a member of the NFYA/HAP2 subunit family. NFYA founctions as

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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.

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