

Recombinant Human NFYA Protein, His-tagged

Cat. No. NFYA-203H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NFYA, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds to CCAAT motifs in the promoter regions in a variety of genes. Subunit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that binds to DNA with high specificity and affinity. The sequence specific interactions of the complex are made by the A subunit, suggesting a role as the regulatory subunit. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of translation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms.
Form	25mM Tris, pH8.0, 150mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	33.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	NFYA nuclear transcription factor Y, alpha [Homo sapiens]
Official Symbol	NFYA
Synonyms	NFYA; nuclear transcription factor Y, alpha; nuclear transcription factor Y subunit alpha; CBF B; HAP2; NF YA; HAP2 CCAAT-binding protein; Transcription factor NF-Y, A subunit; CAAT box DNA-binding protein subunit A; CAAT-box DNA binding protein subunit A; nuclear transcription factor Y subunit A; CCAAT-binding transcription factor subunit B; CBF-A; CBF-B; NF-YA; FLJ11236;
Gene ID	4800
mRNA Refseq	M_021705
Protein Refseq	NP_068351
MIM	189903
UniProt ID	P23511

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