

Recombinant Human NFYA

Cat. No. NFYA-30385TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NFYA Isoform short with N-terminal proprietary tag. Mol Wt 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
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.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	AIQRIPLPGAEMLEEEPLYVNAKQYNRILKRRQARAKLEAGKIPKERRKYLHESRHR HAMARKRGEGGRFFSPKEKDSPHMQDPNQADEEAMTQIIRVS*

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;
Gene ID	4800
mRNA Refseq	NM_002505
Protein Refseq	NP_002496
MIM	189903
Uniprot ID	P23511
Chromosome Location	6p21.3
Pathway	Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and

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presentation, conserved biosystem; Diabetes pathways, organism-specific biosystem;
Direct p53 effectors, organism-specific biosystem;

Function

DNA binding; protein binding; sequence-specific DNA binding transcription factor
activity;

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