Recombinant Human NFYB

Cat. No. NFYB-29919TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NFYB with a N terminal proprietary tag; Predicted MWt 48.51 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	207 amino acids
Description	The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds with high specificity to CCAAT motifs in the promoter regions in a variety of genes. This gene product, subunit B, forms a tight dimer with the C subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Observation of the histone nature of these subunits is supported by two types of evidence; protein sequence alignments and experiments with mutants.
Molecular Weight	48.510kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTEDSMN DHEDTNGSKESFREQ DIYLPIANVARIMKNAIPQTGKIAK DAKECVQECVSEFISFITSEASERCHQEKRKTIN GEDILF AMSTLGFDSYVEPLKLYLQKFREAMKGEKGIGGAVTATDG LSEELTEEAFT NQLPAGLITTDGQQQNVMVYTTSYQQISG VQQIQFS
Sequence Similarities	Belongs to the NFYB/HAP3 subunit family.

GENE INFORMATION

Gene Name	NFYB nuclear transcription factor Y, beta [Homo sapiens]
Official Symbol	NFYB
Synonyms	NFYB; nuclear transcription factor Y, beta; nuclear transcription factor Y subunit beta; CBF A; HAP3; NF YB;
Gene ID	4801
mRNA Refseq	NM_006166
Protein Refseq	NP_006157
MIM	189904
Uniprot ID	P25208
Chromosome Location	12q22-q23

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Pathway	Activation of Chaperones by ATF6-alpha, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Diabetes pathways, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem;
Function	DNA binding; protein binding; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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