

Recombinant Human NFYB

NFYB-29919TH Human

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.

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.

Protein length 207 amino acids

Molecular Weight 48.510kDa inclusive of tags

Source Wheat germ

Form Liquid

Purity Proprietary Purification

Storage buffer pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione

Storage Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

Sequences of amino acids
 MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTDSMN
 DHEDTNGSKESFREQDIYLPANVARIMKNAIPQTGKIAK
 DAKECVQECVSEFISFITSEASERCHQEKRKTINGEDILF
 AMSTLGFDSYVEPLKLYLQKFREAMKGEKGIGGAVTATDG
 LSEELTEEAFTNQLPAGLITTDGQQQNMVYTTTSYQQISG 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](#)

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Protein Refseq [NP_006157](#)

MIM [189904](#)

Uniprot ID [P25208](#)

Chromosome Location 12q22-q23

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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