

Recombinant Human NFYB Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. NFYB-224H Lot. No. (See product label)

SPECIFICATION

Product Overview

NFYB MS Standard C13 and N15-labeled recombinant protein (NP_006157) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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. [provided by RefSeq, Jul 2008]

Molecular Mass

22.8 kDa

AA Sequence

MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTSDMNDHEDTNGSKESFREQD
IYLPANVARIMKNAIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKTINGE
DILFAMSTLGFDSYVEPLKLYLQKFREAMKGEKGIGGAVTATDGLSEELTEEAFTNQL
PAGLITTDGQQQNMVYTTTSYQQISGVQQIQFSTRTRPLEQKLISEEDLAANDILDYK
DDDDKV

 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

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NFYB nuclear transcription factor Y, beta [Homo sapiens (human)]
Official Symbol	NFYB
Synonyms	NFYB; nuclear transcription factor Y, beta; nuclear transcription factor Y subunit beta; CBF A; HAP3; NF YB; Transcription factor NF-Y, B subunit; CAAT box DNA-binding protein subunit B; nuclear transcription factor Y subunit B; CCAAT-binding transcription factor subunit A; CBF-A; CBF-B; NF-YB;
Gene ID	4801
mRNA Refseq	NM_006166
Protein Refseq	NP_006157
MIM	189904
UniProt ID	P25208

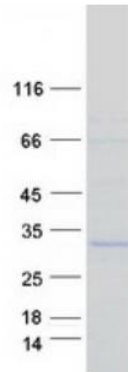
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SDS-PAGE



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