

## **Product datasheet for TP302749L**

## OriGene Technologies, Inc.

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## NFYB (NM\_006166) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human nuclear transcription factor Y, beta (NFYB), 1 mg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC202749 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTEDSMNDHEDTNGSKESFREQDIYLPIANVARIMKN AIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKTINGEDILFAMSTLGFDSYVEPLKLYLQK FREAMKGEKGIGGAVTATDGLSEELTEEAFTNQLPAGLITTDGQQQNVMVYTTSYQQISGVQQIQFS

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

Tag: C-Myc/DDK

**Predicted MW:** 22.7 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 006157

**Locus ID:** 4801

UniProt ID: <u>P25208</u>, <u>A0A024RBG7</u>

RefSeq Size: 3482





Cytogenetics: 12q23.3

RefSeq ORF: 621

Synonyms: CBF-A; CBF-B; HAP3; NF-YB

**Summary:** 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

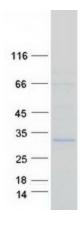
promoter regions in a variety of genes. This gene product, subunit B, forms a tight dimer with the C subunit, a prerequisite for subunit A association. The resulting trimer binds to DNA with high specificity and affinity. Subunits B and C each contain a histone-like motif. Observation of the histone nature of these subunits is supported by two types of evidence; protein sequence

alignments and experiments with mutants. [provided by RefSeq, Jul 2008]

**Protein Families: Transcription Factors** 

**Protein Pathways:** Antigen processing and presentation

## **Product images:**



Coomassie blue staining of purified NFYB protein (Cat# [TP302749]). The protein was produced from HEK293T cells transfected with NFYB cDNA clone (Cat# [RC202749]) using MegaTran 2.0 (Cat# [TT210002]).