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Product datasheet for PH302749

NFYB (NM_006166) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NFYB MS Standard C13 and N15-labeled recombinant protein (NP_006157)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202749
Predicted MW:	22.8 kDa
Protein Sequence:	>RC202749 protein sequence Red=Cloning site Green=Tags(s) MTMDGDSSTTDASQLGISADYIGGSHYVIQPHDDTEDSMNDHEDTNGSKESFREQDIYLPIANVARIMKN AIPQTGKIAKDAKECVQECVSEFISFITSEASERCHQEKRKTINGEDILFAMSTLGFDSYVEPLKLYLQK FREAMKGEKGIGGAVTATDGLSEELTEEAFTNQLPAGLITTDGQQQNVMVYTTSYQQISGVQQIQFS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006157
RefSeq Size:	3482
RefSeq ORF:	621
Synonyms:	CBF-A; CBF-B; HAP3; NF-YB
Locus ID:	4801
UniProt ID:	P25208, A0A024RBG7

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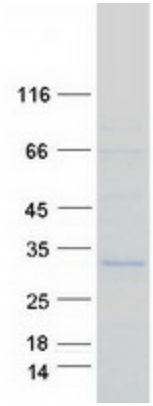
Cytogenetics: 12q23.3

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]).