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Product datasheet for RC202749L4V

NFYB (NM_006166) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NFYB (NM_006166) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NFYB
Synonyms:	CBF-A; CBF-B; HAP3; NF-YB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006166
ORF Size:	621 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC202749).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_006166.3
RefSeq Size:	3482 bp
RefSeq ORF:	624 bp
Locus ID:	4801
UniProt ID:	P25208
Cytogenetics:	12q23.3
Domains:	CBFD_NFYB_HMF
Protein Families:	Transcription Factors

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Protein Pathways: Antigen processing and presentation

MW: 22.8 kDa

Gene 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]