

Product datasheet for **TP507622**

Nelfb (NM_021393) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse negative elongation factor complex member B (Nelfb), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207622 protein sequence Red =Cloning site Green =Tags(s)

MPSLQPVVMCVMKHLPKVPEKKLKLVMADKELYRACAVEVKRQIWQDNQALFGDEVSPLLKQYILEKESA
LFSTELSVLHNFSPSPKTRRQGEVVQKLTQMVGKNVKLYDMVLQFLRTLFLRTRNVHYCTLRAELLMSL
HDLVDSDICTVDPCHKFTWCLDACIRERFVDSKRARELQGFLDGVKKGQEQVLGDLMSILCDPFAINTLS
LSTIRHLQELVSQETLPRDSPDLLLRLALGQGAWDLIDSQVFKEPKMEAEELITKFLPMLMSLVDDF
TFNVDQKLPAEEKASVTYPNTLPESFTKFLQEQRMACEVGLYYVLHITKQRNKNALLRLLPGLVETFGDL
AFSDIFLHLLTGSLVLLADEFALEDFCSSLFDGFFLTASPRKENVHRHVLRLLLHLLHARVAPSKLEALQK
ALEPTGQSGEAVKELYSQLGEKLEQLDHRKPSPTQAAETPALDLPLSPVAPATL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	53.9 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
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 after receiving vials.
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_067368
Locus ID:	58202



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UniProt ID: [Q8C4Y3](#)

RefSeq Size: 2653

Cytogenetics: 2 A3

RefSeq ORF: 1428

Synonyms: A730008L03Rik; AB041607; AI663983; Cob; Cobra1; Nelf-b

Summary: This gene encodes subunit B of a metazoan-specific, four-subunit protein complex that regulates promoter-proximal pausing of RNA polymerase II. RNA polymerase II pausing is thought to be important for coordination of gene transcription during embryonic development and stress responses. Consistently, disruption of this gene in mouse causes inner cell mass deficiency and embryonic lethality. In addition, this gene is required for maintenance of mouse embryonic stem cells by preventing expression of developmental genes. In adult mice, conditional deletion of this gene results in cardiomyopathy and impaired response to cardiac stress. Multiple protein isoforms are encoded through the use of a non-AUG (CUG) initiation codon and an alternative downstream AUG initiation codon. In addition, alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]