Recombinant Human RDBP, His-tagged

Cat. No. RDBP-29223TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 63-380 of Human NELFe with a N terminal His tag; predicted MWt 37kDa:
Species	Human
Source	E.coli
ProteinLength	63-380 a.a.
Description	The protein encoded by this gene is part of a complex termed negative elongation factor (NELF) which represses RNA polymerase II transcript elongation. This protein bears similarity to nuclear RNA-binding proteins; however, it has not been demonstrated that this protein binds RNA. The protein contains a tract of alternating basic and acidic residues, largely arginine (R) and aspartic acid (D). The gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6.
Conjugation	HIS
Tissue specificity	Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal muscle, kidney and pancreas.
Form	Lyophilised:reconstitution with 111 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EQAKQLVKSGAISAIKAETKNSGFKRSRTLEGKLKDPEKG PVPTFQPFQRSISADDD LQESSRRPQRKSLYESFVSSS DRLRELGPDGEEAEGPGAGDGPPRSFDWGYEER SGAHS SASPPRSRSRDRSHERNRDRDRDRERDRDRDRDRDRDRERDR DRDRDRD RDRERDRDRERDRDRDREGPFRRSDSFPERR APRKGNTLYVYGEDMTPTLLRGA FSPFGNIIDLSMDPP RNCAFVTYEKMESADQAVAELNGTQVESVQLKVNIARK QPM LDAATGKSVWGSLAVQNSPKGCHRDKRTQIVYSDDVY KENLVDGF
Sequence Similarities	Belongs to the RRM NELF-E family.Contains 1 RRM (RNA recognition motif) domain.

GENE INFORMATION

Gene Name	RDBP RD RNA binding protein [Homo sapiens]
Official Symbol	RDBP
Synonyms	RDBP; RD RNA binding protein; negative elongation factor E; D6S45; NELF E; RD; RDP;
Gene ID	7936
mRNA Refseq	NM_002904
Protein Refseq	NP_002895
MIM	154040

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Uniprot ID	P18615
Chromosome Location	6p21.3
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Formation and Maturation of mRNA Transcript, organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem; Formation of RNA Pol II elongation complex, organism-specific biosystem;
Function	RNA binding; nucleotide binding;

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