

Recombinant Human RDBP, His-tagged

Cat. No. RDBP-29224TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NELFe with an N terminal His tag; 400 amino acids with tag, Predicted MWt 45.4 kDa.
Species	Human
Source	E.coli
ProteinLength	380 amino acids
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
Molecular Weight	45.400kDa inclusive of tags
Tissue specificity	Widely expressed. Expressed in heart, brain, lung, placenta, liver, skeletal muscle, kidney and pancreas.
Form	Liquid

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Purity	by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 2mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMLVIPPGLSSEEEALQKKFNKLKKKKKALLALKKQS SSSTTSQGGVKRSLSEQPVMDTATATEQAKQLVKSGAISAIAETKNSGFKRSRTLE GKLDPEKGPVPTFQPFQRSISADDDLQESSRRPQRKSLYESFVSSSDRLRELGPD GEEAEGPGAGDGPPRSFDWGYEERSGAHSSASPPRSRSRDRSHERNRDRDRDR ERDRDRDRDRDRERDRDRDRDRDRDRDRERDRDRERDRDRDREGPFRRSDSFPER RAPRKGNTLYVYGEDMTPTLLRGAFSPFGNIIDLSDPPRNCAFTYEKMESADQA VAELNGTQVESVQLKVNIARKQPMLDAATGKSVWGLAVQNSPKGCHRDKRTQIVY SDDVYKENLVDGF
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

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mRNA Refseq	NM_002904
Protein Refseq	NP_002895
MIM	154040
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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