

Total ELL Cell-Based Colorimetric ELISA Kit

Catalog No :	KA3646C
Reactivity :	Human;Mouse
Applications :	ELISA
Gene Name :	ELL
Human Gene Id :	8178
Human Swiss Prot No :	P55199
Mouse Swiss Prot No :	O08856
Storage Stability :	2-8 °C/6 months
Detection Method :	Colorimetric
Background :	<p>disease:A chromosomal translocation involving ELL is found in acute leukemias. Translocation t(11;19)(q23;p13.1) with MLL/HRX. The result is a rogue activator protein.,function:Elongation factor that can increase the catalytic rate of RNA polymerase II transcription by suppressing transient pausing by the polymerase at multiple sites along the DNA.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the ELL/occludin family.,subcellular location:Colocalizes with EAF2 to nuclear speckles. Also localized to Cajal (coiled) bodies.,subunit:Interacts with EAF1 and EAF2.,tissue specificity:Expressed in all tissues tested. Highest levels found in placenta, skeletal muscle, testis and peripheral blood leukocytes.,</p>
Function :	<p>in utero embryonic development, transcription, transcription, DNA-dependent, RNA elongation, transcription from RNA polymerase II promoter, RNA elongation from RNA polymerase II promoter, embryonic development ending in birth or egg hatching, RNA biosynthetic process, chordate embryonic development, regulation of transcription,</p>
Subcellular Location :	<p>Nucleus . Nucleus speckle . Nucleus, Cajal body . Colocalizes with EAF2 to nuclear speckles (PubMed:12446457). Colocalizes with coilin in subnuclear cajal and histone locus bodies (PubMed:12686606). Translocates in the LEC complex to cajal and histone locus bodies at snRNA genes in a ICE1-dependent manner. Associates to transcriptionally active chromatin at snRNA</p>

[genes\(PubMed:23932780\).](#) .

Expression :

Expressed in all tissues tested. Highest levels found in placenta, skeletal muscle, testis and peripheral blood leukocytes.

Products Images