ENL (eleven nineteen leukemia)

Jean-Loup Huret

Genetics, Department of Medical Information, University of Poitiers, CHU Poitiers Hospital, F-86021 Poitiers, France

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Identity

Other names: ENL (eleven nineteen leukemia); LTG19; MLLT1 (myeloid/lymphoid leukemia translocated to, 1)

Location: 19p13.3
Local order: Not far from E2A, also in 19p13.3; LYL1 is in 19p13.2-p13.1 and ELL in 19p13.1.

DNA/RNA

Transcription
4.7 kb mRNA; coding sequence: 1.7 kb.

Protein

Description
559 amino acids; 62 kDa; serine/proline rich protein; contains a nuclear targeting sequence and a consensus sequence for ATP/GTP binding.

Expression
Wide.

Localisation
Nuclear.

Function
Transcription activator.

Homology
With AF9.

Implicated in

\( t(11;19)(q23;p13.3)/\text{acute leukaemias} \rightarrow MLL/ENL \)

Disease
ALL (CD19+), biphenotypic AL, ANLL (M4/M5); mainly congenital; treatment related leukaemia.

References


This article should be referenced as such: