Resource Summary Report

Generated by NIF on Aug 10, 2026

Neuron-Restrictive Silencer Factor

RRID:SCR_008546
Type: Tool

Proper Citation

Neuron-Restrictive Silencer Factor (RRID:SCR_008546)

Resource Information

URL: http://bmbpcu36.leeds.ac.uk/RE1db_mkII/

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 15, 2013. A database containing all genomic human and mouse binding sites of the Repressor Element 1 Silencing Transcription factor (REST), identified by PSSM. The RE1 silencing transcription factor (REST; also known as the neuron-restrictive silencer factor), is a nine zinc-finger transcription factor, related to the Gli-Kruppel family. REST binds to a conserved 21-nucleotide element, known as repressor element 1 (RE1; also known as the neuron-restrictive silencer element). REST was proposed to be a "master" silencer of neuron specific gene expression in non-neuronal tissues and undifferentiated neuroepithelium (precursor of neuronal cells), preventing the default expression of the neuronal phenotype during embryogenesis. It has been shown to function independently of orientation and distance from a gene promoter. REST has an important role during embryonic development, as homozygous gene knockout mice (Rest-/-) die by embryonic day 11.5. The constitutive expression of REST has also been shown to disrupt neuronal gene expression and cause axon path finding errors in chicken embryos (Paquette et al. 2000). RE1 sequences that are known to bind REST have also been found near to non-neuronal genes, including keratin and cytochrome P450 genes.

Synonyms: RE1

Resource Type: database, data or information resource

Keywords: molecular neuroanatomy resource

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Neuron-Restrictive Silencer Factor

Resource ID: SCR_008546

Alternate IDs: nif-0000-31400

Record Creation Time: 20220129T080248+0000

Record Last Update: 20260808T190415+0000

Ratings and Alerts

No rating or validation information has been found for Neuron-Restrictive Silencer Factor.

No alerts have been found for Neuron-Restrictive Silencer Factor.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF .

McCormack RM, et al. (2015) Perforin-2 is essential for intracellular defense of parenchymal cells and phagocytes against pathogenic bacteria. eLife, 4.