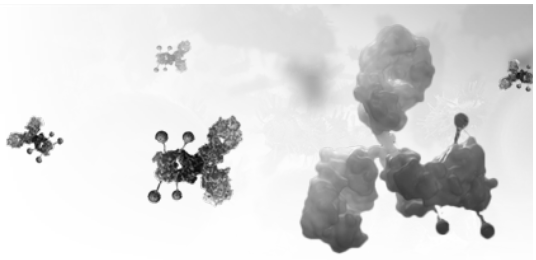

Human REST peptide (DAG-P1938)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a transcriptional repressor that represses neuronal genes in non-neuronal tissues. It is a member of the Kruppel-type zinc finger transcription factor family. It represses transcription by binding a DNA sequence element called the neuron-restrictive silencer element. The protein is also found in undifferentiated neuronal progenitor cells and it is thought that this repressor may act as a master negative regular of neurogenesis. Alternatively spliced transcript variants have been described [provided by RefSeq, Jul 2010]
Specificity	Ubiquitous. Expressed at higher levels in the tissues of the lymphocytic compartment, including spleen, thymus, peripheral blood lymphocytes and ovary.
Conjugate	Unconjugated
Sequence Similarities	Contains 9 C2H2-type zinc fingers.
Format	Liquid
Buffer	Information available upon request.
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	REST RE1-silencing transcription factor [Homo sapiens (human)]
Official Symbol	REST
Synonyms	REST; RE1-silencing transcription factor; XBR; NRSF; repressor binding to the X2 box; neural-restrictive silencer factor; neuron restrictive silencer factor; RE1-silencing transcription factor

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	variant E1a/E2/E4; RE1-silencing transcription factor variant E1a/E2/E3/E5; RE1-silencing transcription factor variant E1b/E2/E3/E5; RE1-silencing transcription factor variant E1c/E2/E3/E5; RE1-silencing transcription factor variant E1a/E2/E3/E4c; RE1-silencing transcription factor variant E1c/E2g/E3/E4; RE1-silencing transcription factor variant E1a/E2/E3/N3c/E4; RE1-silencing transcription factor variant E1b/E2/E3/N3c/E4; RE1-silencing transcription factor variant E1a/E2/E3/N3a/E4i; RE1-silencing transcription factor variant E1b/E2/E3/N3b/E4i; RE1-silencing transcription factor variant E1b/E2c/E2j/E3/E4; RE1-silencing transcription factor variant E1a/E2k/E2i/E3/E4j;
Entrez Gene ID	5978
mRNA Refseq	NM_001193508.1
Protein Refseq	NP_001180437.1
UniProt ID	Q13127
Chromosome Location	4q12
Pathway	Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;
Function	RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; chromatin binding; core promoter binding; core promoter sequence-specific DNA binding; metal ion

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