9051 Mira Mesa Blvd, #910094
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HERV-K

Endogenous retrovirus K Envelope Human Recombinant
VAG0293

Product Overview

Name	HERV-K
Description	
Endogenous retrovirus K Envelope Human Recombinant	
Accession (Primary)	Q9NX77.2

Introduction

HERVK is related with several tumors such as passenger virus, and anti-Retroviral therapy against amyotrophic lateral sclerosis/ALS has exhibited to decrease the symptoms of amyotrophic lateral sclerosis/ALS. High counts of viral sequences exist in the human genome but stay silent. Though, in pathological conditions, these viruses are produced. Human Endogenous Retrovirus-K, is produced in neurons of a subpopulation of patients with amyotrophic lateral sclerosis/ALS, a progressive neurodegenerative disease. The envelope protein of this HERV results in degeneration of neurons, and transgenic animals producing this protein advance an ALS-like syndrome triggered by nucleolar dysfunction in motor neurons. Reactivation of the HERVK is controlled by the transcription factor TDP-43. Therefore, therapeutic tactics against this virus alter the course of the disease.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

10mM Tris-HCl, pH 7.2.

Stability

HERV-K although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Purity

Protein is >90% pure as determined by SDS PAGE.

Amino acid sequence

MWTVPSFTND SYQVYNVFST NSFQLLTVKR TPHEAWRVPL TTKTNKTKGL PDCPKKPTNG PFIVTSILWD NCNAPKAVVL QTLAMGIVID WAPKGHYWQD CSSKNTLCSE FIYSLDYIEH GWQSYTMRQR VSPYPFKWMD TGIAPPRPKI IHPFFTPEHP ELWKLAAALS GIKIWNTTYQ LLRTKTKTPT FNITLISEWV IPIRSCVKPP YMLLVGNIIM MPDAQTIECH NCKLFTCIDA TFNPTTSILL VRAREGVWIP VSLHRPWESS PSIHIVNEVL KDILKRTKRF IFTLIAVLAG

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LLAVTATAAT AGVAIRSSVQ TAHYVEACQK NSSRLWNSQA QIDQKLANQI NDLRQSVTWL GDRVMNLQHR MQLQCDWNTS DYCITPYAYN QDQHSWENVS RHLKAWDDNL TLDISQLKEQIFEASQAHLS TVPGSHIFEG ITKQLPDFNP FKWLKPVRGS LLLLALLILV CLCCLLLVCRCL.

Applications

Detection of Human Endogenious Retrovirus K in individuals is untested.

Precautions

HERV-K is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NX77.2)