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32-13633: HERV-K

Alternative Name :	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.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
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.
The E.Coli derived HERV-K recombinant truncated protein is fused to a Six histidine tag at C-terminus and has a MW of 51.5kDa (pI 9.06).

Product Info

Amount :	100 µg / 0.5 mg
Purification :	Protein is >90% pure as determined by SDS PAGE.
Content :	10mM Tris-HCl, pH 7.2, 8M urea and 2mM EDTA.
Storage condition :	HERV-K although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Amino Acid :	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 LLAVTATAAT AGVAIRSSVQ TAHYVEACQK NSSRLWNSQA QIDQKLANQI NDLRQSVTWL GDRVMNLQHR MQLQCDWNTS DYCITPYAYN QDQHSWENVS RHLKAWDDNL TLDISQLKEQIFEASQAHLS TVPGSHIFEG ITKQLPDFNP FKWLKPVRGS LLLLALLILV CLCCLLLVCRCL.