
Product Data Sheet

Product Name: HERV-K
Cat. No.: GP25522
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	10mM Phosphate buffer pH 7.2.		

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.

Stability

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

Background

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).

Caution: Product has not been fully validated for medical applications. For research use only.

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