ERVK-7 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702273
Synonyms:	Endogenous retrovirus group K member 7 Env polyprotein; Envelope polyprotein; HERV-K(III) envelope protein; HERV-K102 envelope protein; HERV-K_1q22 provirus ancestral Env polyprotein
Species:	Human
Source:	E. coli Cell-free
Accession:	P61567 (M1-V588)
Gene ID:	/
Molecular Weight:	68.2 kDa

PROPERTIES

AA Sequence	MVTPVTWMDN PIEIYVNDSV WVPGPIDDRC PAKPEEEGMM INISIGYRYP PICLGRAPGC LMPAVQNWLV EVPTVSPISR FTYHMVSGMS LRPRVNYLQD FSYQRSLKFR PKGKPCPKEI PKESKNTEVL VWEECVANSA VILQNNEFGT IIDWAPRGQF YHNCSGQTQS CPSAQVSPAV DSDLTESLDK HKHKKLQSFY PWEWGEKRIS TPRPKIVSPV SGPEHPELWR LTVASHHIRI WSGNQTLETR DCKPFYTIDL NSSLTVPLQS CVKPPYMLVV GNIVIKPDSQ TITCENCRLL SCIDSTFNWQ HRILLVRARE GVWIPVSMDR PWEASPSVHI LTEVLKGVLN RSKRFIFTLI AVIMGLIAVT ATAAVAGVAL HSSVQSVNFV NDWQKNSTRL WNSQSSIDQK LANQINDLRQ TVIWMGDRLM SLEHRFQLQC DWNTSDFCIT PQIYNESEHH WDMVRRHLQG REDNLTLDIS KLKEQIFEAS KAHLNLVPGT EAIAGVADGL ANLNPVTWVK TIGSTTIINL ILILVCLFCL LLVCRCTQQL RRDSDHRERA MMTMAVLSKR KGGNVGKSKR DQIVTVSV
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The ERVK-7 protein, a retroviral envelope protein, plays a pivotal role in early infection by mediating receptor recognition and facilitating membrane fusion. Throughout evolution, endogenous envelope proteins, including ERVK-7, may have retained, lost, or modified their original functions. Specifically, the SU domain of ERVK-7 is instrumental in mediating receptor recognition, a critical step in the retroviral infection process. This highlights the dynamic nature of retroviral envelope proteins and their adaptability over time.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA