

ERVK-6 Protein, Human, Recombinant (E. coli, His)

General Information

Synonyms:	ERVK6;HERV-K_7p22.1 provirus ancestral Env polyprotein;EnvK2 protein;HERV-K108 envelope protein;HERV-K(C7) envelope protein;HERV-K(HML-2.HOM) envelope protein;ERVK-6; Envelope polyprotein;Endogenous retrovirus group K member 6 Env polyprotein
Protein Construction:	90-632 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q69384
Molecular Weight:	65.5 kDa (predicted)
AA Sequence:	LPMPAGAAAANYTYWAYVFPPLIRAVTWMDNPTEVYVNDVWVPGPIDDRCPAKPEEEGMMINISIGYHY PPICLGRAPGCLMPAVQNWLVVPTVSPICRFTYHMSVSGMSLRPRVNYLQDFSQYRSLKFRPKGKPCPKKEIPK ESKNTVELVWEECVANSVILQNNFEGTIIDWAPRGQFYHNCSGQTQSCPSAQVSPAVIDSLTESLDKHKHK KLQSFYPWEWGEKGISTPRPKIVSPVSGPEHPELWRLTVASHHIRIWSGNQTLTRDRKPFYIDLNSSLTVPL QSCVKPPYMLVGNIVIKPDSQTITCENRLLTCIDSTFNWQHRILLVRAREGVWIPVSMRDPWEASPSVHILT EVLKGVNRSKRIFITLIAVIMGLIAVTATAAVAGVALHSSVQSVNFVNDWQKNSTRLLWNSQSSIDQKLANQI NDLRQTVIWMGDRLMSLEHRFQLQCDWNTSDFCITPQIYNESEHHWDMVRRHLQGREDNLTLDISKLKEQIF EASKAHLNLVPGTEAIAGVADGLANLNPVTWVKT

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Retroviral envelope proteins mediate receptor recognition and membrane fusion during early infection. Endogenous envelope proteins may have kept, lost or modified their original function during evolution. This endogenous envelope protein has lost its original fusogenic properties.; SU mediates receptor recognition.; TM anchors the envelope heterodimer to the viral membrane through one transmembrane domain. The other hydrophobic domain, called fusion peptide, mediates fusion of the viral membrane with the target cell membrane.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481