Datasheet for ABIN7553814

ERVK-7 Protein (AA 1-588) (His tag)

3 Images

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Overview

Quantity:	1 mg
Target:	ERVK-7
Protein Characteristics:	AA 1-588
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERVK-7 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ERVK-7 Protein expressed in mammalian cells.
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 **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a**

Product Details

	special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ERVK-7
Alternative Name:	ERVK-7 (ERVK-7 Products)
Background:	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) [Cleaved into: Surface protein (SU), Transmembrane protein (TM)],FUNCTION: 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., FUNCTION: SU mediates receptor recognition. {ECO:0000250}., FUNCTION: 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 (By similarity). {ECO:0000250}.

Target Details

Molecular Weight:	66.6 kDa
UniProt:	P61567

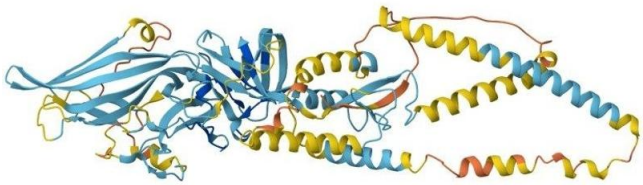
Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

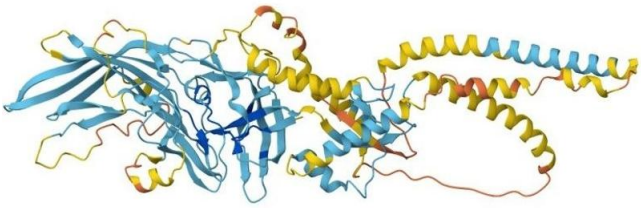
Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

Images



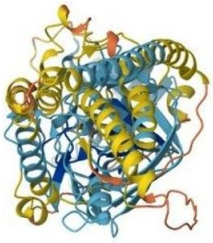
Protein Structure

Image 1. AlphaFold protein structure predicition of Human Recombinant ERVK-7 Protein, UniprotID P61567



Protein Structure

Image 2. AlphaFold protein structure predicition of Human Recombinant ERVK-7 Protein, UniprotID P61567



Protein Structure

Image 3. AlphaFold protein structure predicition of Human Recombinant ERVK-7 Protein, UniprotID P61567