Datasheet for ABIN7553819

ERVK13-1 Protein (AA 1-482) (His tag)

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Overview

Quantity:	1 mg
Target:	ERVK13-1
Protein Characteristics:	AA 1-482
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERVK13-1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ERVK13-1 Protein expressed in mammalian cells.
Sequence:	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 TLDISQLKEQ IFEASQAHLS TVPGSHIFEG ITKQLPDFNP FKWLKPVRGS LLLLALLILV CLCCLLLVCR CL **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 special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

	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:	ERVK13-1
Alternative Name:	ERVK13-1 (ERVK13-1 Products)
Background:	Endogenous retrovirus group K member 13-1 Env polyprotein (Envelope polyprotein) (HERV-K_16p13.3 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 (By similarity). {ECO:0000250}., 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}.
Molecular Weight:	55.0 kDa
UniProt:	Q9NX77

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