

Datasheet for ABIN7555032  
**ERVK-25 Protein (AA 1-954) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ERVK-25
Protein Characteristics:	AA 1-954
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ERVK-25 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant ERVK-25 Protein expressed in mammalian cells.
Sequence:	<p>NKSKKRRNRV SFLGAATVEP PKPIPLTWKT EKPVVVNQWP LPKQKLEALH LLANEQLEKG HIEPSFSPWN SPVFVIQKKS GKWRMLTDLR AVNAVIQPMG PLQPGLPSPA MIPKDWPLII IDLKDCFFTI PLAEQDCEKF AFTIPAINNK EPATRFQWKV LPQGMLNSPT ICQTFVGRAL QPVREKFSDC YIIHYIDDIL CAAETKDKLI DCYTFLQAEV ANAGLAIASD KIQTSTPFHY LGMQIENRKI KPQKIEIRKD TLKALNDFQK LLGDINWIRP TLGIPTYAMS NLFSILRGDS DLNSKRMLTP EATKEIKLVE EKIQSAQINR IDPLAPLQLL IFATAHSPTG IIIQNTDLVE WSFLPHSTVK TFTLYLDQIA TLIGQTRLRI IKLCGNPDK IVVPLTKEQV RQAFINSGAW QIGLANFVGI IDNHYPKTKI FQFLKLTWII LPKITRREPL ENALTVFTDG SSNGKAAYTG PKERVIKTPY QSAQRAELVA VITVLQDFDI NIISDSAYVV QATRDVETAL IKYSMDDQLN QLFNLLQQTV RKRNFPPYIT HIRAHTNLPG PLTKANKQAD LLVSSALIKA QELHALTHVN AAGLKNKFDV TWKLAKDIVQ HCTQCQVLHL PTQEAGVNPR GLCPNALWQM DVTHVPSFGR LSYVHVTVDT YSHFIWATCH TGESTSHVKK HLLSCFAVMG VPEKIKTDNG PGYCSKAFQK</p>

## Product Details

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FLSQWKISHT TGIPYNSQGG AIVERTNRTL KTQLVKQKEG GDSKECTTPQ MQLNLALYTL  
NFLNIYRNQT TTSAEQHLTG KKNSPHEGKL IWWKDNKNKT WEIGKVITWG RGFACVSPGE  
NQLPVWIPTR HLKIFYNEPIR DAKKSTSAET ETPQSSTVDS QDEQNGDVRR TDEVAIHQEG  
RAANLGTTKE ADAVSYKISR EHKGDTNPRE YAACSLDDCI NGGKSPYACR SSCS **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 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

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Target: ERVK-25

Alternative Name: ERVK-25 ([ERVK-25 Products](#))

Background: Endogenous retrovirus group K member 25 Pol protein (HERV-K<sub>11q22.1</sub> provirus ancestral Pol protein) [Includes: Reverse transcriptase (RT) (EC 2.7.7.49), Ribonuclease H (RNase H) (EC 3.1.26.4), Integrase (IN)],FUNCTION: Early post-infection, the reverse transcriptase converts the viral RNA genome into double-stranded viral DNA. The RNase H domain of the reverse

## Target Details

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transcriptase performs two functions. It degrades the RNA template and specifically removes the RNA primer from the RNA/DNA hybrid. Following nuclear import, the integrase catalyzes the insertion of the linear, double-stranded viral DNA into the host cell chromosome. Endogenous Pol proteins may have kept, lost or modified their original function during evolution (By similarity). {ECO:0000250}.

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Molecular Weight: 107.5 kDa

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UniProt: [P63136](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months