HERV-K_7q22.1 Provirus Rec Protein (ERVK-6) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	HERV-K_7q22.1 provirus Rec protein (ERVK-6), Recombinant Protein
Full Product Name	Recombinant Human HERV-K_7q22.1 provirus Rec protein (ERVK-6)
Product Gene Name	ERVK-6 recombinant protein
Product Synonym Gene Name	ERVK-6
Sequence	MNPSEMQRKA PPRRRRHRNR APLTHKMNKM VTSEEQMKLP STKKAEPPTW AQLKKLTQLA TKYLENTKVT QTPESMLLAA LMIVSMVSAG VPNSSEETAT IENGP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	11,828 Da
Sequence Positions	1-105, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	605626
3D Structure	ModBase 3D Structure for Q69383
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ERVK-6 recombinant protein	MBS1385352 is a recombinant protein targeting ERVK-6. Also known as Recombinant Human HERV-K_7q22.1 provirus Rec protein (ERVK-6). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ERVK-6 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERVK-6. It may not necessarily be applicable to this product.

NCBI GI #	47606002
NCBI GeneID	64006
NCBI Accession #	Q69383.1
UniProt Primary Accession #	Q69383
UniProt Related Accession #	P61566; P61572; P61573; P61579; P63128; Q69383; Q69384; Q7LDI9; Q9BXR3; Q9QC07

NCBI Official Full Name	Endogenous retrovirus group K member 6 Rec protein
NCBI Official Synonym Full Names	endogenous retrovirus group K member 6, envelope
NCBI Official Symbol	ERVK-6
NCBI Official Synonym Symbols	cORF; ERVK6; K-Rev; c-orf; envK2; HERV-K108; HERV-K(C7)
UniProt Protein Name	Endogenous retrovirus group K member 6 Rec protein
UniProt Synonym Protein Names	Central open reading frame; c-orf; cORF; Endogenous retrovirus K protein 6; HERV-K(C7) Rec protein; HERV-K(HML-2.HOM) Rec protein; HERV-K108 Rec protein; HERV-K_7p22.1 provirus Rec protein; K-Rev; Rev-like protein; Rev/Rex homolog
Protein Family	Endogenous retrovirus group K member 6 Env polyprotein
UniProt Gene Name	ERVK-6
UniProt Synonym Gene Names	ERVK6; c-orf; cORF
UniProt Comments for ERVK-6	Retroviral replication requires the nuclear export and translation of unspliced, singly-spliced and multiply-spliced derivatives of the initial genomic transcript. Rec interacts with a highly structured RNA element (RcRE) present in the viral 3'LTR and recruits the cellular nuclear export machinery. This permits export to the cytoplasm of unspliced genomic or incompletely spliced subgenomic viral transcripts.
Research Articles on ERVK-6	**1.** Up-regulation of the endogenous retrovirus HERV-K initiates and sustains activation of the immune system and causes vascular changes associated with pulmonary arterial hypertension.
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