Pogo Transposable Element with KRAB Domain (POGK) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pogo transposable element with KRAB domain (POGK), Recombinant Protein
Full Product Name	Recombinant Human Pogo transposable element with KRAB domain (POGK)
Product Gene Name	POGK recombinant protein
Product Synonym Gene Name	POGK
Sequence	MESTAYPLNL SLKEEEEEEE IQSRELEDGP ADMQKVRICS EGGWVPALFD EVAIYFSDEE WEVLTEQQKA LYREVMRMNY ETVLSLEFPF PKPDMITRLE GEEESQNSDE WQLQGGTSAE NEESDVKPPD WPNPMNATSQ FPQPQHFDSF GLRLPRDITE LPEWSEGYPF YMAMGFPGYD LSADDIAGKF QFSRGMRRSY DAGFKLMVVE YAESTNNCQA AKQFGVLEKN VRDWRKVKPQ LQNAHAMRRA FRGPKNGRFA LVDQRVAEYV RYMQAKGDPI TREAMQLKAL EIAQEMNIPE KGFKASLGWC RRMMRRYDLS LRHKVPVPQH LPEDLTEKLV TYQRSVLALR RAHDYEVAQM GNADETPICL EVPSRVTVDN QGEKPVLVKT PGREKLKITA MLGVLADGRK LPPYIILRGT YIPPGKFPSG MEIRCHRYGW MTEDLMQDWL EVVWRRRTGA VPKQRGMLIL NGFRGHATDS VKNSMESMNT DMVIIPGGLT SQLQVLDVVV YKPLNDSVRA QYSNWLLAGN LALSPTGNAK KPPLGLFLEW VMVAWNSISS ESIVQGFKKC HISSNLEEED DVLWEIESEL PGGGEPPKDC DTESMAESN
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	69,444 Da
Sequence Positions	1-609, 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.
3D Structure	ModBase 3D Structure for Q9P215
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for POGK recombinant protein	The exact function of This protein is not known. However, this gene product contains a KRAB domain (which is involved in protein-protein interactions) at the N-terminus, and a transposase domain at the C-terminus, suggesting that it may belong to the family of DNA-mediated transposons in human.
Other Notes	Small volumes of POGK 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.
Searchable Terms for POGK purchase	MBS1307049 is a recombinant protein targeting POGK. Also known as Recombinant Human Pogo transposable element with KRAB domain (POGK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	22027480
NCBI GeneID	57645
NCBI Accession #	NP_060012.3
UniProt Primary Accession #	Q9P215
UniProt Secondary Accession #	Q5TIJ1; Q8TE07
UniProt Related Accession #	Q9P215
GenBank Nucleotide #	NM_017542.4
NCBI Official Full Name	pogo transposable element with KRAB domain isoform 1
NCBI Official Synonym Full Names	pogo transposable element derived with KRAB domain
NCBI Official Symbol	POGK
NCBI Official Synonym Symbols	BASS2; KRBOX2; LST003
UniProt Protein Name	Pogo transposable element with KRAB domain
Protein Family	Pogo transposable element with KRAB domain
UniProt Gene Name	POGK
UniProt Synonym Gene Names	KIAA1513
NCBI Protein Information	pogo transposable element with KRAB domain
NCBI Summary for POGK	The exact function of the protein encoded by this gene is not known. However, this gene product contains a KRAB domain (which is involved in protein-protein interactions) at the N-terminus, and a transposase domain at the C-terminus, suggesting that it may belong to the family of DNA-mediated transposons in human. [provided by RefSeq, Jul 2008]
Research Articles on POGK	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/pogo-transposable-element-with-krab-domain-pogk/1307049