POLE2 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	POLE2, Blocking Peptide
Full Product Name	POLE2 Peptide - middle region
Product Gene Name	POLE2 blocking peptide
Product Synonym Gene Name	DPE2
Sequence	Synthetic peptide located within the following region: NINFFGGPSN TSVKTSAKLK QLEEENKDAM FVFLSDVWLD QVEVLEKLRI
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	POLE2 peptide (MBS3244761) is used for blocking the activity of POLE2 antibody (MBS3219909)
Molecular Weight	55 kDa
OMIM	602670
Product Categories/Family for POLE2 blocking peptide	Peptide
Related Product Information for POLE2 blocking peptide	This is a synthetic peptide designed for use in combination with anti- POLE2 Antibody, made Target Description: Participates in DNA repair and in chromosomal DNA replication.
Other Notes	Small volumes of POLE2 blocking peptide 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 POLE2 purchase	MBS3244761 is a blocking peptide targeting POLE2. Also known as POLE2 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for POLE2. It may not necessarily be applicable to this product.

NCBI GI #	309747079
NCBI GeneID	5427
NCBI Accession #	NP_001184259
UniProt Primary Accession #	P56282
UniProt Related Accession #	P56282
GenBank Nucleotide #	NM_001197330.1
NCBI Official Full Name	DNA polymerase epsilon subunit 2 isoform 2
NCBI Official Synonym Full Names	DNA polymerase epsilon 2, accessory subunit
NCBI Official Symbol	POLE2

NCBI Official Synonym Symbols	DPE2
UniProt Protein Name	DNA polymerase epsilon subunit 2
UniProt Synonym Protein Names	DNA polymerase II subunit 2; DNA polymerase epsilon subunit B
Protein Family	DNA polymerase
UniProt Gene Name	POLE2
UniProt Synonym Gene Names	DPE2
UniProt Entry Name	DPOE2_HUMAN
NCBI Protein Information	DNA polymerase epsilon subunit 2
NCBI Summary for POLE2	DNA polymerase epsilon, which is involved in DNA repair and replication, is composed of a large catalytic subunit and a small accessory subunit. The protein encoded by this gene represents the small subunit (B). Defects in this gene have been linked to colorectal cancer and to combined immunodeficiency. [provided by RefSeq, Jan 2017]
Research Articles on POLE2	**1.** Inhibition of DNA polymerases a, delra and e by AFP promoter-driven artificial microRNAs may lead to effective growth arrest of AFP-positive HCC cells,as novel strategy for gene therapy
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/human-blocking-peptide/pole2/3244761