PTGES2 Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	PTGES2, Blocking Peptide
Full Product Name	PTGES2 Immunizing Peptide
Product Gene Name	PTGES2 blocking peptide
Sequence	C-RLKSRHRL QDNVRED
Species Reactivity	Human
Form/Format	100ug of Lyophilised peptide, formulation 5pmol/ul in 5% (v/v) acetonitrile/H2O.
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	PTGES2 peptide (MBS428835) is used for blocking the activity of PTGES2 antibody (MBS423797)
Molecular Weight	41,943 Da
OMIM	608152
Reconstitution	Reconstitute pellet in distilled water where required. For Blocking studies, reconstitute pellet in 200ul distilled water to obtain a 0.5mg/ml peptide solution.
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for PTGES2 blocking peptide	MBS428835 is a blocking peptide targeting PTGES2. Also known as PTGES2 Immunizing Peptide. Reactive in Human.
Other Notes	Small volumes of PTGES2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTGES2. It may not necessarily be applicable to this product.

NCBI GI #	13376617
NCBI GeneID	80142
NCBI Accession #	NP_079348.1
UniProt Primary Accession #	Q9H7Z7
UniProt Secondary Accession #	Q53EW9; Q5SYV6; Q96GI0; Q96GL2
UniProt Related Accession #	Q9H7Z7
GenBank Nucleotide #	NM_025072.6
NCBI Official Full Name	prostaglandin E synthase 2 isoform 1
NCBI Official Synonym Full Names	prostaglandin E synthase 2
NCBI Official Symbol	PTGES2
NCBI Official Synonym Symbols	GBF1; GBF-1; PGES2; C9orf15; mPGES-2
UniProt Protein Name	Prostaglandin E synthase 2
UniProt Synonym Protein Names	Membrane-associated prostaglandin E synthase-2

Protein Family	Prostaglandin E synthase
UniProt Gene Name	PTGES2
UniProt Synonym Gene Names	C9orf15; PGES2; mPGES-2
NCBI Protein Information	prostaglandin E synthase 2
NCBI Summary for PTGES2	The protein encoded by this gene is a membrane-associated prostaglandin E synthase, which catalyzes the conversion of prostaglandin H2 to prostaglandin E2. This protein also has been shown to activate the transcription regulated by a gamma-interferon-activated transcription element (GATE). Multiple transcript variants have been found for this gene. [provided by RefSeq, Jun 2009]
UniProt Comments for PTGES2	Isomerase that catalyzes the conversion of PGH2 into the more stable prostaglandin E2 (PGE2).
Research Articles on PTGES2	**1.** Four single nucleotide polymorphisms in two genes in the PGE2 family, PTGES2 and PTGER4, were significantly associated with primary graft dysfunction after lung transplantation.
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