RHCG Immunizing Blocking Peptide

PRODUCT OVERVIEW

Product Name	RHCG, Blocking Peptide
Full Product Name	RHCG Immunizing Peptide
Product Gene Name	RHCG blocking peptide
Product Synonym Names	RHCG; Rh family, C glycoprotein; C15orf6; PDRC2; RHGK; SLC42A3; Rh type C glycoprotein; Rhesus blood group, C glycoprotein
Sequence	C-ERQNSVYQ SD
Species Reactivity	Human, Dog, Pig
Form/Format	100ug of dried peptide
Preparation and Storage	Shipped at ambient temperature, store at -20 degree C
Antibody/Peptide Pairs	RHCG peptide (MBS427398) is used for blocking the activity of RHCG antibody (MBS422482)
Molecular Weight	53,179 Da
OMIM	605381
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Related Product Information for RHCG blocking peptide	MBS427398 is a blocking peptide targeting RHCG. Also known as RHCG Immunizing Peptide. Reactive in Human, Dog, Pig.
Other Notes	Small volumes of RHCG 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 RHCG. It may not necessarily be applicable to this product.

NCBI GI #	7706683
NCBI GeneID	51458
NCBI Accession #	NP_057405.1
UniProt Secondary Accession #	Q6X3Y4; A8K4D4
UniProt Related Accession #	Q9UBD6
GenBank Nucleotide #	NM_016321.2
NCBI Official Full Name	ammonium transporter Rh type C
NCBI Official Synonym Full Names	Rh family C glycoprotein
NCBI Official Symbol	RHCG
NCBI Official Synonym Symbols	RHGK; PDRC2; C15orf6; SLC42A3
UniProt Protein Name	Ammonium transporter Rh type C
UniProt Synonym Protein Names	Rh glycoprotein kidney; Rhesus blood group family type C glycoprotein; Rh family type C glycoprotein; Rh type C glycoprotein; Tumor-related protein DRC2

Protein Family	Ammonium transporter
UniProt Gene Name	RHCG
UniProt Synonym Gene Names	C15orf6; CDRC2; PDRC2; RHGK; Rh family type C glycoprotein; Rh type C glycoprotein
UniProt Entry Name	RHCG_HUMAN
NCBI Protein Information	ammonium transporter Rh type C
UniProt Comments for RHCG	RHCG: Functions as an electroneutral and bidirectional ammonium transporter. May regulate transepithelial ammonia secretion. Belongs to the ammonium transporter (TC 2.A.49) family. Rh subfamily. Protein type: Vesicle; Transporter; Membrane protein, integral; Membrane protein, multi-pass; Transporter, SLC family Chromosomal Location of Human Ortholog: 15q25 Cellular Component: apical plasma membrane; basolateral plasma membrane; cytoplasmic vesicle; integral to plasma membrane; plasma membrane Molecular Function: ammonium transmembrane transporter activity; ankyrin binding Biological Process: amine transport; ammonium transport; cellular ion homeostasis; epithelial cell differentiation; homeostatic process; nitrogen utilization; organic cation transport; regulation of pH
Research Articles on RHCG	**1.** Rh B Glycoprotein (Rhbg) and Rh C Glycoprotein (Rhcg) are identified as ammonia transporters. They are expressed in specific cell populations and membrane domains in distal renal epithelial cells, where they facilitate ammonia secretion.
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