MLNR Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	MLNR, Blocking Peptide
Full Product Name	MLNR Peptide - C-terminal region
Product Gene Name	MLNR blocking peptide
Product Synonym Gene Name	GPR38; MTLR1
Sequence	ASINPILYNL ISKKYRAAAF KLLLARKSRP RGFHRSRDTA GEVAGDTGGD
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	MLNR peptide (MBS3241641) is used for blocking the activity of MLNR antibody (MBS3216741)
Molecular Weight	45kDa
OMIM	602885
Product Categories/Family for MLNR blocking peptide	Peptide
Applications Tested/Suitable for MLNR blocking peptide	Western Blot (WB)
Related Product Information for MLNR blocking peptide	This is a synthetic peptide designed for use in combination with anti-MLNR Antibody, made Target Description: Motilin is a 22 amino acid peptide hormone expressed throughout the gastrointestinal (GI) tract. The protein encoded by this gene is a motilin receptor which is a member of the G-protein coupled receptor 1 family. This member is a multi-pass transmembrane protein, and is an important therapeutic target for the treatment of hypomotility disorders.
Other Notes	Small volumes of MLNR 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 MLNR purchase	MBS3241641 is a blocking peptide targeting MLNR. Also known as MLNR Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	4504095
NCBI GeneID	2862
NCBI Accession #	NP_001498
UniProt Primary Accession #	O43193
UniProt Related Accession #	O43193
GenBank Nucleotide #	NM_001507
NCBI Official Full Name	motilin receptor

NCBI Official Synonym Full Names	motilin receptor
NCBI Official Symbol	MLNR
NCBI Official Synonym Symbols	GPR38; MTLR1
UniProt Protein Name	Motilin receptor
UniProt Synonym Protein Names	G-protein coupled receptor 38
Protein Family	Motilin receptor
UniProt Gene Name	MLNR
UniProt Synonym Gene Names	GPR38; MTLR; MTLR1
UniProt Entry Name	MTLR_HUMAN
NCBI Protein Information	motilin receptor
NCBI Summary for MLNR	Motilin is a 22 amino acid peptide hormone expressed throughout the gastrointestinal (GI) tract. The protein encoded by this gene is a motilin receptor which is a member of the G-protein coupled receptor 1 family. This member is a multi-pass transmembrane protein, and is an important therapeutic target for the treatment of hypomotility disorders. [provided by RefSeq, Aug 2011]
UniProt Comments for MLNR	MLNR: Receptor for motilin. Belongs to the G-protein coupled receptor 1 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: GPCR, family 1; Membrane protein, integral; Membrane protein, multi-pass; Receptor, GPCR Chromosomal Location of Human Ortholog: 13q14-q21 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; growth hormone-releasing hormone receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; digestion
Research Articles on MLNR	**1.** data support important roles of new regions in the TM domains of the motilin receptor for erythromycin action, suggesting differential mechanisms of actions by peptidyl and non-peptidyl ligands
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