GPR38 Blocking Peptide – >85% Purity

PRODUCT OVERVIEW

Product Name	GPR38 (MLNR), Blocking Peptide
Full Product Name	GPR38 Blocking Peptide
Product Gene Name	MLNR blocking peptide
Product Synonym Names	GPR38; MTLR; MTLR1; Motilin receptor; G-protein coupled receptor 38
Host	Synthetic
Species Reactivity	Human, Mouse
Form/Format	Lyophilized powder
Purity/Purification	>85%
Preparation and Storage	Shipped at 4 degree C. Store at -20 degree C for one year.
Antibody/Peptide Pairs	GPR38 peptide (MBS824268) is used for blocking the activity of GPR38 antibody (MBS820139)
Molecular Weight	42,026 Da
OMIM	602885
Quality Control	The quality of the peptide was evaluated by reversed-phase HPLC and by mass spectrometry.
Applications Tested/Suitable for MLNR blocking peptide	Blocking (BL)
Application Notes for MLNR blocking peptide	Blocking Peptide to the diluted primary antibody in a molar ratio of 10:1 (peptide to antibody) and incubate the mixture at 4 degree C for overnight or at room temperature for 2 hours.
Related Product Information for MLNR blocking peptide	MBS824268 is a blocking peptide targeting MLNR. Also known as GPR38 Blocking Peptide. Reactive in Human, Mouse. Host: Synthetic. The peptide is used to block Anti-GPR38 Antibody reactivity.
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.

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_001498.1
UniProt Primary Accession #	O43193
UniProt Related Accession #	O43193
GenBank Nucleotide #	NM_001507.1
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; G protein-coupled receptor 38
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: Receptor, GPCR; Membrane protein, integral; GPCR, family 1; Membrane protein, multi-pass 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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