GPR34 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	GPR34, Blocking Peptide
Full Product Name	GPR34 Blocking Peptide
Product Gene Name	GPR34 blocking peptide
Product Synonym Names	G protein coupled receptor 34; GPCR 34; GPCR34; GPR 34; GPR34; OTTHUMP00000023148; OTTHUMP00000023149; OTTMUSP00000018373; Probable G protein coupled receptor 34
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	GPR34 peptide (MBS9625141) is used for blocking the activity of GPR34 antibody (MBS9606424)
Molecular Weight	43,860 Da
Chromosome Location	Chromosome: X; NC_000023.10 (41548226..41556530). Location: Xp11.4
OMIM	300241
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for GPR34 blocking peptide	Blocking/Control
Related Product Information for GPR34 blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of GPR34 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 GPR34 purchase	MBS9625141 is a blocking peptide targeting GPR34.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR34. It may not necessarily be applicable to this product.

NCBI GI #	148225857
NCBI GeneID	2857
NCBI Accession #	NP_001091048.1
UniProt Primary Accession #	Q9UPC5
UniProt Secondary Accession #	O95853

UniProt Related Accession #	Q9UPC5
GenBank Nucleotide #	NM_001097579.1
NCBI Official Full Name	probable G-protein coupled receptor 34
NCBI Official Synonym Full Names	G protein-coupled receptor 34
NCBI Official Symbol	GPR34
UniProt Protein Name	Probable G-protein coupled receptor 34
Protein Family	Probable G-protein coupled receptor
UniProt Gene Name	GPR34
UniProt Entry Name	GPR34_HUMAN
NCBI Protein Information	probable G-protein coupled receptor 34
NCBI Summary for GPR34	G protein-coupled receptors (GPCRs), such as GPR34, are integral membrane proteins containing 7 putative transmembrane domains (TMs). These proteins mediate signals to the interior of the cell via activation of heterotrimeric G proteins that in turn activate various effector proteins, ultimately resulting in a physiologic response.[supplied by OMIM, Apr 2006]
UniProt Comments for GPR34	GPR34: Orphan receptor. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; Membrane protein, multi-pass; GPCR, family 1; Receptor, GPCR Chromosomal Location of Human Ortholog: Xp11.4 Cellular Component: integral to plasma membrane Molecular Function: G-protein coupled receptor activity; purinergic nucleotide receptor activity, G-protein coupled Biological Process: G-protein coupled receptor protein signaling pathway
Research Articles on GPR34	**1.** The present studies confirm that GPR34 is a cellular receptor for LysoPS, especially with a fatty acid at the sn-2 position.
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