GPR25 Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	GPR25, Blocking Peptide
Full Product Name	GPR25 Blocking Peptide
Product Gene Name	GPR25 blocking peptide
Product Synonym Names	G protein coupled receptor 25; Gpr25; GPR25_HUMAN; Probable G protein coupled receptor GPR25; Probable G-protein coupled receptor 25
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.
Molecular Weight	38,779 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (200842166..200843251). Location: 1q32.1
OMIM	602174
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 GPR25 blocking peptide	Blocking/Control
Related Product Information for GPR25 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 GPR25 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 GPR25 purchase	MBS9625137 is a blocking peptide targeting GPR25.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPR25. It may not necessarily be applicable to this product.

NCBI GI #	38194224
NCBI GeneID	2848
NCBI Accession #	NP_005289.2
UniProt Primary Accession #	O00155
UniProt Secondary Accession #	A0AVJ5
UniProt Related Accession #	O00155

GenBank Nucleotide #	NM_005298.3
NCBI Official Full Name	probable G-protein coupled receptor 25
NCBI Official Synonym Full Names	G protein-coupled receptor 25
NCBI Official Symbol	GPR25
UniProt Protein Name	Probable G-protein coupled receptor 25
Protein Family	Probable G-protein coupled receptor
UniProt Gene Name	GPR25
UniProt Entry Name	GPR25_HUMAN
NCBI Protein Information	probable G-protein coupled receptor 25
NCBI Summary for GPR25	This gene is intronless and encodes a member of the G-protein coupled receptor 1 family. G-protein coupled receptors are membrane proteins which activate signaling cascades as a response to extracellular stress. This gene has been linked to arterial stiffness. [provided by RefSeq, Nov 2012]
UniProt Comments for GPR25	GPR25: Orphan receptor. Belongs to the G-protein coupled receptor 1 family. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 1q32.1 Cellular Component: integral to plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein coupled receptor protein signaling pathway
Research Articles on GPR25	**1.** GPR-25 is homologous to receptors involved in blood pressure regulation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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