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

PRODUCT OVERVIEW

Product Name	Hippocalcin (HPCA), Blocking Peptide
Full Product Name	Hippocalcin Blocking Peptide
Product Gene Name	HPCA blocking peptide
Product Synonym Gene Name	BDR2
Product Synonym Names	BDR 2; BDR2; Calcium binding protein BDR 2; Calcium binding protein BDR2; Calcium-binding protein BDR-2; HPCA; HPCA_HUMAN; Neuron specific calcium binding protein hippocalcin; Neuron-specific calcium-binding protein hippocalcin; P23K
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	Hippocalcin peptide (MBS9622455) is used for blocking the activity of Hippocalcin antibody (MBS9612511)
Molecular Weight	22,427 Da
OMIM	142622
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 HPCA blocking peptide	Blocking/Control
Related Product Information for HPCA 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 HPCA 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 HPCA purchase	MBS9622455 is a blocking peptide targeting HPCA. Also known as Hippocalcin Blocking Peptide.

ADDITIONAL DETAILS

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

NCBI GI #	19913446
NCBI GeneID	3208
NCBI Accession #	NP_002134
UniProt Primary Accession #	P84074

UniProt Secondary Accession #	P32076; P41211; P70510; B2R9T3; D3DPQ7
UniProt Related Accession #	P84074
GenBank Nucleotide #	NP_002134.2
NCBI Official Full Name	neuron-specific calcium-binding protein hippocalcin
NCBI Official Synonym Full Names	hippocalcin
NCBI Official Symbol	HPCA
NCBI Official Synonym Symbols	BDR2
UniProt Protein Name	Neuron-specific calcium-binding protein hippocalcin
UniProt Synonym Protein Names	Calcium-binding protein BDR-2
Protein Family	Neuron-specific calcium-binding protein hippocalcin
UniProt Gene Name	HPCA
UniProt Synonym Gene Names	BDR2
UniProt Entry Name	HPCA_HUMAN
NCBI Protein Information	neuron-specific calcium-binding protein hippocalcin; calcium-binding protein BDR-2; neuron specific calcium-binding protein hippocalcin
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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