BBS10 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	BBS10, Blocking Peptide
Full Product Name	BBS10 Peptide - C-terminal region
Product Gene Name	BBS10 blocking peptide
Product Synonym Gene Name	C12orf58; FLJ23560
Sequence	SQTGLESVMG KYQLLTSVLQ CLTKILTIDM VITVKRHPQK VHNQDSEDEL
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	BBS10 peptide (MBS3239455) is used for blocking the activity of BBS10 antibody (MBS3214518)
Molecular Weight	81kDa
OMIM	610148
Product Categories/Family for BBS10 blocking peptide	Peptide
Applications Tested/Suitable for BBS10 blocking peptide	Western Blot (WB)
Related Product Information for BBS10 blocking peptide	This is a synthetic peptide designed for use in combination with anti-BBS10 Antibody, made Target Description: This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by progressive retinal degeneration, obesity, polydactyly, renal malformation and mental retardation. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10.
Other Notes	Small volumes of BBS10 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 BBS10 purchase	MBS3239455 is a blocking peptide targeting BBS10. Also known as BBS10 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BBS10. It may not necessarily be applicable to this product.

NCBI GI #	100816407
NCBI GeneID	79738
NCBI Accession #	NP_078961

UniProt Primary Accession #	Q8TAM1
UniProt Related Accession #	Q8TAM1
GenBank Nucleotide #	NM_024685
NCBI Official Full Name	Bardet-Biedl syndrome 10 protein
NCBI Official Synonym Full Names	Bardet-Biedl syndrome 10
NCBI Official Symbol	BBS10
NCBI Official Synonym Symbols	C12orf58
UniProt Protein Name	Bardet-Biedl syndrome 10 protein
Protein Family	Bardet-Biedl syndrome 10 protein
UniProt Gene Name	BBS10
UniProt Synonym Gene Names	C12orf58
UniProt Entry Name	BBS10_HUMAN
NCBI Protein Information	Bardet-Biedl syndrome 10 protein
NCBI Summary for BBS10	This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by progressive retinal degeneration, obesity, polydactyly, renal malformation and cognitive disability. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10. [provided by RefSeq, Jan 2010]
Research Articles on BBS10	**1.** In the 64 BBS patients (44 males, 20 females) were studied, mutations were predominant in BBS10 and ARL6 genes; the c.272T>C; p.(I91T) mutation in ARL6 gene was a recurrent mutation
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-blocking-peptide/bbs10/3239455