B9D2 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	B9D2, Blocking Peptide
Full Product Name	B9D2 Peptide - N-terminal region
Product Gene Name	B9D2 blocking peptide
Product Synonym Gene Name	ICIS-1; MKS10; MKSR2
Sequence	SESSLFCKWG IHTGAAWKLL SGVREGQTQV DTPQIGDMAY WSHPIDLHFA
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	B9D2 peptide (MBS3242577) is used for blocking the activity of B9D2 antibody (MBS3217681)
Molecular Weight	19kDa
OMIM	611951
Product Categories/Family for B9D2 blocking peptide	Peptide
Applications Tested/Suitable for B9D2 blocking peptide	Western Blot (WB)
Related Product Information for B9D2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-B9D2 Antibody, made Target Description: This gene encodes a B9 domain protein, which are exclusively found in ciliated organisms. The gene is upregulated during mucociliary differentiation, and the encoded protein localizes to basal bodies and cilia. Disrupting expression of this gene results in ciliogenesis defects.
Other Notes	Small volumes of B9D2 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 B9D2 purchase	MBS3242577 is a blocking peptide targeting B9D2. Also known as B9D2 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for B9D2. It may not necessarily be applicable to this product.

NCBI GI #	226371646
NCBI GeneID	80776
NCBI Accession #	NP_085055
UniProt Primary Accession #	Q9BPU9
UniProt Related Accession #	Q9BPU9
GenBank Nucleotide #	NM_030578
NCBI Official Full Name	B9 domain-containing protein 2

NCBI Official Synonym Full Names	B9 domain containing 2
NCBI Official Symbol	B9D2
NCBI Official Synonym Symbols	MKS10; MKSR2; ICIS-1; JBTS34
UniProt Protein Name	B9 domain-containing protein 2
UniProt Synonym Protein Names	MKS1-related protein 2
Protein Family	B9 domain-containing protein
UniProt Gene Name	B9D2
UniProt Synonym Gene Names	MKSR2
UniProt Entry Name	B9D2_HUMAN
NCBI Protein Information	B9 domain-containing protein 2
NCBI Summary for B9D2	This gene encodes a B9 domain protein, which are exclusively found in ciliated organisms. The gene is upregulated during mucociliary differentiation, and the encoded protein localizes to basal bodies and cilia. Disrupting expression of this gene results in ciliogenesis defects. [provided by RefSeq, Oct 2009]
UniProt Comments for B9D2	B9D2: Component of the tectonic-like complex, a complex localized at the transition zone of primary cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes. Defects in B9D2 are the cause of Meckel syndrome type 10 (MKS10). MKS10 is a disorder characterized by a combination of renal cysts and variably associated features including developmental anomalies of the central nervous system (typically encephalocele), hepatic ductal dysplasia and cysts, and polydactyly. Belongs to the B9D family. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: centrosome; cytosol Molecular Function: gamma-tubulin binding; protein binding Biological Process: sister chromatid cohesion Disease: Meckel Syndrome, Type 10
Research Articles on B9D2	**1.** Observational study of gene-disease association. (HuGE Navigator)
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