HNF1 Beta Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	HNF1 beta, Blocking Peptide
Full Product Name	HNF1 beta Blocking Peptide
Product Gene Name	HNF1 beta blocking peptide
Product Synonym Names	FJHN; Hepatocyte nuclear factor 1 beta; Hepatocyte nuclear factor 1-beta; HNF 1B; HNF 2; HNF-1-beta; HNF-1B; HNF1 beta; HNF1 homeobox B; HNF1B; HNF1B_HUMAN; HNF1beta; HNF2; Homeoprotein LF B3; Homeoprotein LFB3; HPC11; LF B3; LFB3; MODY 5; MODY5; TCF 2; TCF 2 protein; TCF-2; TCF2; TCF2 protein; Transcription factor 2; Transcription factor 2 hepatic; Variant hepatic nuclear factor 1; Variant hepatic nuclear factor; VHNF 1; vHNF1
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	HNF1 beta peptide (MBS9620392) is used for blocking the activity of HNF1 beta antibody (MBS9602915)
Molecular Weight	46,907 Da
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 HNF1 beta blocking peptide	Blocking/Control
Related Product Information for HNF1 beta 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 HNF1 beta 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 HNF1 beta purchase	MBS9620392 is a blocking peptide targeting HNF1 beta.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HNF1 beta. It may not necessarily be applicable to this product.

NCBI GI #	4507397
NCBI GeneID	6928
NCBI Accession #	NP_000449.1
UniProt Primary Accession #	Q6FHW6

UniProt Secondary Accession #	P35680
UniProt Related Accession #	P35680
GenBank Nucleotide #	NM_000458.3
NCBI Official Full Name	hepatocyte nuclear factor 1-beta isoform 1
NCBI Official Synonym Full Names	HNF1 homeobox B
NCBI Official Symbol	HNF1B
NCBI Official Synonym Symbols	FJHN; HNF2; LFB3; TCF2; HPC11; LF-B3; MODY5; TCF-2; VHNF1; HNF-1B; HNF1beta; HNF-1-beta
UniProt Protein Name	TCF2 protein
UniProt Gene Name	TCF2
UniProt Entry Name	Q6FHW6_HUMAN
NCBI Protein Information	hepatocyte nuclear factor 1-beta
NCBI Summary for HNF1 beta	This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]
Research Articles on HNF1 beta	**1.** HNF1B score was discriminatory for HNF1B mutations in a large cohort of individuals tested in a single UK centre
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