Ptf1a Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Ptf1a, Blocking Peptide
Full Product Name	Ptf1a Peptide - N-terminal region
Product Gene Name	Ptf1a blocking peptide
Product Synonym Gene Name	PTF1-p48; PTF1p48; bHLHa29
Sequence	FPSPYFDEED FFTDQSSRDP LEDSDELLGD EQAEVEFLSH QLHEYCYRDG
Species Reactivity	Mouse, 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	Ptf1a peptide (MBS3228479) is used for blocking the activity of Ptf1a antibody (MBS3203511)
Molecular Weight	35kDa
Product Categories/Family for Ptf1a blocking peptide	Peptide
Applications Tested/Suitable for Ptf1a blocking peptide	Western Blot (WB)
Related Product Information for Ptf1a blocking peptide	This is a synthetic peptide designed for use in combination with anti-Ptf1a Antibody, made Target Description: Ptf1a is a transcriptional activator. It binds to the E-box consensus sequence 5'-CANNTG-3' and may play a role in early and late pancreas development and differentiation. Ptf1a plays an important role in determining whether cells allocated to the pancreatic buds continue towards pancreatic organogenesis or revert back to duodenal fates and may be involved in the maintenance of exocrine pancreas-specific gene expression including ELA1 and amylase. It is required for the formation of pancreatic acinar and ductal cells. and plays an important role in cerebellar development.
Other Notes	Small volumes of Ptf1a 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 Ptf1a purchase	MBS3228479 is a blocking peptide targeting Ptf1a. Also known as Ptf1a Peptide - N-terminal region. Reactive in Mouse, Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ptf1a. It may not necessarily be applicable to this product.

NCBI GI #	224967077
NCBI GeneID	19213
NCBI Accession #	NP_061279
UniProt Primary Accession #	Q9QX98
UniProt Related Accession #	Q9QX98
GenBank Nucleotide #	NM_018809

NCBI Official Full Name	pancreas transcription factor 1 subunit alpha
NCBI Official Synonym Full Names	pancreas specific transcription factor, 1a
NCBI Official Symbol	Ptf1a
NCBI Official Synonym Symbols	PTF1p48; bHLHa29; PTF1-p48
UniProt Protein Name	Pancreas transcription factor 1 subunit alpha
UniProt Synonym Protein Names	Pancreas-specific transcription factor 1a; bHLH transcription factor p48; p48 DNA-binding subunit of transcription factor PTF1; PTF1-p48
Protein Family	Pancreas transcription factor
UniProt Gene Name	Ptf1a
UniProt Synonym Gene Names	Ptf1p48; PTF1-p48
UniProt Entry Name	PTF1A_MOUSE
NCBI Protein Information	pancreas transcription factor 1 subunit alpha
Research Articles on Ptf1a	**1.** non-neural progenitor transcription factor Ptf1a alone is sufficient to directly reprogram mouse and human fibroblasts into self-renewable induced neural stem cells capable of differentiating into functional neurons, astrocytes and oligodendrocytes, and improving cognitive dysfunction of Alzheimer's disease mouse models when transplanted
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