10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LMX1A Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21429b

Specification

LMX1A Blocking Peptide (C-term) - Product Information

Primary Accession Q8TE12

LMX1A Blocking Peptide (C-term) - Additional Information

Gene ID 4009

Other Names
LIM homeobox transcription factor 1-alpha, LIM/homeobox protein 11, LMX-11, LIM/homeobox protein LMX1A, LMX1A

Target/Specificity
The synthetic peptide sequence is selected from aa 303-317 of HUMAN LMX1A

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LMX1A Blocking Peptide (C-term) - Protein Information

Name LMX1A

Function
Acts as a transcriptional activator by binding to an A/T-rich sequence, the FLAT element, in the insulin gene promoter. Required for development of the roof plate and, in turn, for specification of dorsal cell fates in the CNS and developing vertebrae (By similarity).

Cellular Location
Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Tissue Location
Isoform 1 is expressed in many tissues. Not found in heart, liver, spleen and testis. Relatively highly expressed in fetal brain. Isoform LMX1A-4AB is expressed in testis

LMX1A Blocking Peptide (C-term) - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

LMX1A Blocking Peptide (C-term) - Images

LMX1A Blocking Peptide (C-term) - Background

Acts as a transcriptional activator by binding to an A/T-rich sequence, the FLAT element, in the insulin gene promoter. Required for development of the roof plate and, in turn, for specification of dorsal cell fates in the CNS and developing vertebrae (By similarity).

LMX1A Blocking Peptide (C-term) - References

Thameem F.,et al.Gene 290:217-225(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.