IRX1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	IRX1, Blocking Peptide
Full Product Name	IRX1 Peptide - middle region
Product Gene Name	IRX1 blocking peptide
Product Synonym Gene Name	IRX-5; IRXA1
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	IRX1 peptide (MBS3233670) is used for blocking the activity of IRX1 antibody (MBS3208708)
Molecular Weight	49kDa
OMIM	606197
Product Categories/Family for IRX1 blocking peptide	Peptide
Applications Tested/Suitable for IRX1 blocking peptide	Western Blot (WB)
Related Product Information for IRX1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-IRX1 antibody made Target Description: IRX1 is a member of the Iroquois homeobox gene family. Members of this family appear to play multiple roles during pattern formation of vertebrate embryos.
Other Notes	Small volumes of IRX1 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 IRX1 purchase	MBS3233670 is a blocking peptide targeting IRX1. Also known as IRX1 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IRX1. It may not necessarily be applicable to this product.

NCBI GI #	51479177
NCBI GeneID	79192
NCBI Accession #	NP_077313
UniProt Primary Accession #	P78414
UniProt Related Accession #	P78414
GenBank Nucleotide #	NM_024337
NCBI Official Full Name	iroquois-class homeodomain protein IRX-1
NCBI Official Synonym Full Names	iroquois homeobox 1
NCBI Official Symbol	IRX1
NCBI Official Synonym Symbols	IRX-5; IRXA1

UniProt Protein Name	Iroquois-class homeodomain protein IRX-1
UniProt Synonym Protein Names	Homeodomain protein IRXA1; Iroquois homeobox protein 1
Protein Family	Iroquois-class homeodomain protein
UniProt Gene Name	IRX1
UniProt Synonym Gene Names	IRXA1
UniProt Entry Name	IRX1_HUMAN
NCBI Protein Information	iroquois-class homeodomain protein IRX-1
NCBI Summary for IRX1	This gene encodes a member of the Iroquois homeobox protein family. Homeobox genes in this family are involved in pattern formation in the embryo. The gene product has been identified as a tumor suppressor in gastric (PMID: 21602894, 20440264) and head and neck cancers (PMID: 18559491). A pseudogene of this gene is located on chromosome 13. [provided by RefSeq, Dec 2011]
UniProt Comments for IRX1	IRX1: a member of the Iroquois homeobox protein family. Homeobox genes in this family are involved in pattern formation in the embryo. The gene product has been identified as a tumor suppressor in gastric (PMID: 21602894, 20440264) and head and neck cancers (PMID: 18559491). A pseudogene of this gene is located on chromosome 13. [provided by RefSeq, Dec 2011] Protein type: DNA-binding Chromosomal Location of Human Ortholog: 5p15.3 Cellular Component: nucleus Molecular Function: sequence-specific DNA binding Biological Process: regulation of transcription, DNA-dependent
Research Articles on IRX1	**1.** Through a combination of sequencing studies on eighteen North Carolina macular dystrophy families, two novel overlapping duplications at the MCDR3 locus, in a gene desert downstream of IRX1 and upstream of ADAMTS16, have been reported.
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