Hes7 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	Hes7, Blocking Peptide
Full Product Name	Hes7 Peptide - N-terminal region
Product Gene Name	Hes7 blocking peptide
Product Synonym Gene Name	bHLHb37
Sequence	RERSRVEPPG VPRSPGQDAE ALASCYLSGF RECLLRLAAF AHDASPAARS
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	Hes7 peptide (MBS3228551) is used for blocking the activity of Hes7 antibody (MBS3203584)
Molecular Weight	25kDa
Product Categories/Family for Hes7 blocking peptide	Peptide
Applications Tested/Suitable for Hes7 blocking peptide	Western Blot (WB)
Related Product Information for Hes7 blocking peptide	This is a synthetic peptide designed for use in combination with anti-Hes7 Antibody, made Target Description: Hes7 is a transcriptional repressor. Hes7 represses transcription from both N box- and E box-containing promoters. Hes7 may with HES1, cooperatively regulate somite formation in the presomitic mesoderm (PSM). Hes7 may function as a segmentation clock, which is essential for coordinated somite segmentation.
Other Notes	Small volumes of Hes7 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 Hes7 purchase	MBS3228551 is a blocking peptide targeting Hes7. Also known as Hes7 Peptide - N-terminal region. Reactive in Mouse, Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hes7. It may not necessarily be applicable to this product.

NCBI GI #	61098129
NCBI GeneID	84653
NCBI Accession #	NP_149030
UniProt Primary Accession #	Q8BKT2
UniProt Related Accession #	Q8BKT2
GenBank Nucleotide #	NM_033041
NCBI Official Full Name	transcription factor HES-7
NCBI Official Synonym Full Names	hes family bHLH transcription factor 7

NCBI Official Symbol	Hes7
NCBI Official Synonym Symbols	bHLHb37
UniProt Protein Name	Transcription factor HES-7
UniProt Synonym Protein Names	Hairy and enhancer of split 7; bHLH factor Hes7
Protein Family	Transcription factor
UniProt Gene Name	Hes7
UniProt Synonym Gene Names	mHes7
UniProt Entry Name	HES7_MOUSE
NCBI Protein Information	transcription factor HES-7
Research Articles on Hes7	**1.** Hes7 expression in the presomitic mesoderm was up-regulated through the E-box, T-box, and RBPj-binding element in the Hes7 essential region, presumably through synergistic signaling involving mesogenin1, T-box6 (Tbx6), and Notch1.
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