BRD8 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	BRD8, Blocking Peptide
Full Product Name	BRD8 Peptide - middle region
Product Gene Name	BRD8 blocking peptide
Product Synonym Gene Name	SMAP; SMAP2; p120
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	BRD8 peptide (MBS3226858) is used for blocking the activity of BRD8 antibody (MBS3201857)
Molecular Weight	135kDa
OMIM	602848
Product Categories/Family for BRD8 blocking peptide	Peptide
Applications Tested/Suitable for BRD8 blocking peptide	Western Blot (WB)
Related Product Information for BRD8 blocking peptide	This is a synthetic peptide designed for use in combination with anti-BRD8 antibody made Target Description: BRD8 interacts with thyroid hormone receptor in a ligand-dependent manner and enhances thyroid hormone-dependent activation from thyroid response elements. This protein contains a bromodomain and is thought to be a nuclear receptor coactivator.The protein encoded by this gene interacts with thyroid hormone receptor in a ligand-dependent manner and enhances thyroid hormone-dependent activation from thyroid response elements. This protein contains a bromodomain and is thought to be a nuclear receptor coactivator. Three alternatively spliced transcript variants that encode distinct isoforms have been identified.
Other Notes	Small volumes of BRD8 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 BRD8 purchase	MBS3226858 is a blocking peptide targeting BRD8. Also known as BRD8 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRD8. It may not necessarily be applicable to this product.

NCBI GI #	34452707
NCBI GeneID	10902
NCBI Accession #	NP_631938
UniProt Primary Accession #	Q9H0E9
UniProt Related Accession #	Q9H0E9
GenBank Nucleotide #	NM_139199
NCBI Official Full Name	bromodomain-containing protein 8 isoform 2
NCBI Official Synonym Full Names	bromodomain containing 8

NCBI Official Symbol	BRD8
NCBI Official Synonym Symbols	SMAP; p120; SMAP2
UniProt Protein Name	Bromodomain-containing protein 8
UniProt Synonym Protein Names	Skeletal muscle abundant protein; Skeletal muscle abundant protein 2; Thyroid hormone receptor coactivating protein of 120 kDa; TrCP120; p120
Protein Family	Bromodomain-containing protein
UniProt Gene Name	BRD8
UniProt Synonym Gene Names	SMAP; SMAP2; TrCP120
UniProt Entry Name	BRD8_HUMAN
NCBI Protein Information	bromodomain-containing protein 8
NCBI Summary for BRD8	The protein encoded by this gene interacts with thyroid hormone receptor in a ligand-dependent manner and enhances thyroid hormone-dependent activation from thyroid response elements. This protein contains a bromodomain and is thought to be a nuclear receptor coactivator. Multiple alternatively spliced transcript variants that encode distinct isoforms have been identified. [provided by RefSeq, Jul 2014]
UniProt Comments for BRD8	BRD8 iso1: May act as a coactivator during transcriptional activation by hormone-activated nuclear receptors (NR). Isoform 2 stimulates transcriptional activation by AR/DHTR, ESR1/NR3A1, RXRA/NR2B1 and THRB/ERBA2. At least isoform 1 and isoform 2 are components of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when recruited to sites of DNA damage. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Nuclear receptor co-regulator; Transcription, coactivator/corepressor Chromosomal Location of Human Ortholog: 5q31 Cellular Component: nucleoplasm; NuA4 histone acetyltransferase complex; mitochondrion; nucleus Molecular Function: thyroid hormone receptor activity; transcription factor activity Biological Process: regulation of transcription from RNA polymerase II promoter; establishment and/or maintenance of chromatin architecture; intracellular receptor-mediated signaling pathway; cell surface receptor linked signal transduction; regulation of transcription, DNA-dependent; transcription, DNA-dependent; regulation of growth; signal transduction
Research Articles on BRD8	**1.** miR-185 can attenuate androgen receptor function indirectly by suppressing BRD8 ISO2
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