SRD5A2 Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SRD5A2, Blocking Peptide
Full Product Name	SRD5A2 Peptide - N-terminal region
Product Gene Name	SRD5A2 blocking peptide
Product Synonym Gene Name	MGC138457
Sequence	KHTESLKPAA TRLPARAAWF LQELPSFAVP AGILARQPLS LFGPPGTVLL
Species Reactivity	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	SRD5A2 peptide (MBS3232252) is used for blocking the activity of SRD5A2 antibody (MBS3207287)
Molecular Weight	28kDa
OMIM	M74047 mRNA
Product Categories/Family for SRD5A2 blocking peptide	Peptide
Applications Tested/Suitable for SRD5A2 blocking peptide	Western Blot (WB)
Related Product Information for SRD5A2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SRD5A2 Antibody, made Target Description: This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH).
Other Notes	Small volumes of SRD5A2 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 SRD5A2 purchase	MBS3232252 is a blocking peptide targeting SRD5A2. Also known as SRD5A2 Peptide - N-terminal region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SRD5A2. It may not necessarily be applicable to this product.

NCBI GI #	39812447
NCBI GeneID	6716
NCBI Accession #	NP_000339
UniProt Primary Accession #	P31213
UniProt Related Accession #	P31213
GenBank Nucleotide #	NM_000348
NCBI Official Full Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2

NCBI Official Synonym Full Names	steroid 5 alpha-reductase 2
NCBI Official Symbol	SRD5A2
UniProt Protein Name	3-oxo-5-alpha-steroid 4-dehydrogenase 2
UniProt Synonym Protein Names	5 alpha-SR2; SR type 2; Steroid 5-alpha-reductase 2; S5AR 2; Type II 5-alpha reductase
Protein Family	3-oxo-5-alpha-steroid 4-dehydrogenase
UniProt Gene Name	SRD5A2
UniProt Synonym Gene Names	S5AR 2
NCBI Protein Information	3-oxo-5-alpha-steroid 4-dehydrogenase 2
NCBI Summary for SRD5A2	This gene encodes a microsomal protein expressed at high levels in androgen-sensitive tissues such as the prostate. The encoded protein is active at acidic pH and is sensitive to the 4-azasteroid inhibitor finasteride. Deficiencies in this gene can result in male pseudohermaphroditism, specifically pseudovaginal perineoscrotal hypospadias (PPSH). [provided by RefSeq, Jul 2008]
UniProt Comments for SRD5A2	Converts testosterone (T) into 5-alpha-dihydrotestosterone (DHT) and progesterone or corticosterone into their corresponding 5-alpha-3-oxosteroids. It plays a central role in sexual differentiation and androgen physiology.
Research Articles on SRD5A2	**1.** A significant positive association of mRNA expression level and a negative association of methylation level of the SRD5A2 gene with the mRNA expression levels of CYP1A1 and CYP1B1 genes in the preputial tissue of patients with hypospadias.
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