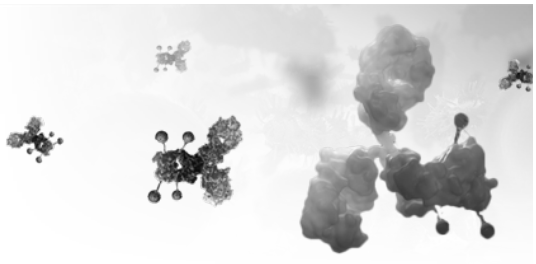

Human SRR peptide (DAG-P1127)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Catalyzes the synthesis of D-serine from L-serine. D-serine is a key coagonist with glutamate at NMDA receptors. Has dehydratase activity towards both L-serine and D-serine.
Specificity	Brain: expressed at high levels in hippocampus and corpus callosum, intermediate levels in substantia nigra and caudate, and low levels in amygdala, thalamus, and subthalamic nuclei. Expressed in heart, skeletal muscle, kidney and liver.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the serine/threonine dehydratase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	SRR serine racemase [Homo sapiens (human)]
Official Symbol	SRR
Synonyms	SRR; serine racemase; ILV1; ISO1; D-serine dehydratase; L-serine dehydratase; D-serine ammonia-lyase; L-serine ammonia-lyase;
Entrez Gene ID	63826
mRNA Refseq	NM_021947.1
Protein Refseq	NP_068766.1

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UniProt ID	Q9GZT4
Chromosome Location	17p13
Pathway	Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; serine and glycine biosynthesis, organism-specific biosystem;
Function	ATP binding; ATP binding; D-serine ammonia-lyase activity; L-serine ammonia-lyase activity; PDZ domain binding; calcium ion binding; glycine binding; magnesium ion binding; protein homodimerization activity; protein homodimerization activity; pyridoxal ph

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