

Product datasheet for **AR50194PU-N**

Serine racemase / SRR (1-340, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Serine racemase / SRR (1-340, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMCAQYC ISFADVEKAH INIRDSIHLT PVLTSILNQ LTGRNLFFKC ELFQKTGSFK IRGALNAVRS LVPDALERKP KAVVTHSSGN HGQALTYAAK LEGIPAYIVV PQTAPDCKKL AIQAYGASIV YCEPSDESRE NVAKRVTET EGIMVHPNQE PAVIAGQGTI ALEVLNQVPL VDALWVPVGG GGMLAGIAIT VKALKPSVKV YAAEPSNADD CYQSKLKGKL MPNLYPPETI ADGVKSSIGL NTWPIIRDLV DDIFTVTEDE IKCATQLWE RMKLLIEPTA GVGVAVLSQ HFQTVSPEVK NICIVLSSGN VDLTSSITWW KQAERPASYQ SVSV
Tag:	His-tag
Predicted MW:	39.1 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SRR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001291732
Locus ID:	63826
UniProt ID:	Q3ZK31 , Q8N3F4
Cytogenetics:	17p13.3
Synonyms:	ILV1; ISO1



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Summary:

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.
[UniProtKB/Swiss-Prot Function]

Protein Pathways:

Glycine, serine and threonine metabolism

Product images: