

Serine Racemase Human Recombinant

Item Number	rAP-1281
Synonyms	Serine racemase, D-serine ammonia-lyase, D-serine dehydratase, L-serine ammonia-lyase, L-serine dehydratase, SRR, ILV1, ISO1.
Description	SRR Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 364 amino acids (1-340) and having a molecular mass of 39.1kDa.SRR is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9GZT4
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSHMCAQYC ISFADVEKAH INIRDSIHLT PVLTSILNQ LTGRNLFFKC ELFQKTGSFK IRGALNAVRS LVPDALERKP KAVVTHSSGN HGQALTYAAK LEGIPAYIVV PQTAPDCKKL AIQAYGASIV YCEPSDESRE NVAKRVTEET EGIMVHPNQE PAVIAGQGTI ALEVLNQVPL VDALVVPVGG GGMLAGIAIT VKALKPSVKV YAAEPSNADD CYQSKLKGKL MPNLPPETI ADGVKSSIGL NTWPIIRDLV DDIFTVTEDE IKCATQLVWE RMKLLIEPTA GVGVAAVLSQ HFQTVSPEVK NICIVLSGGN VDLTSSITWV KQAERPASYQ SVSV.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SRR solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**