Creative Enzymes®

Recombinant Human Serine racemase

Cat. No. EXWM-5376

Lot. No. (See product label)

Introduction

Description	Serine racemase (SR, EC 5.1.1.18) is the first racemase enzyme in human biology to be identified. This enzyme converts L-serine to its enantiomer form, D-serine. D-serine acts as a neuronal signaling molecule by activating NMDA receptors in the brain.

Product Information

Species	Human
Source	E.coli
Form	Liquid or Lyophilized powder
EC Number	EC 5.1.1.18
CAS No.	77114-08-0
Molecular Weight	52.6kDa
Purity	Greater than 90% as determined by SDS-PAGE.
Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Reaction	L-serine = D-serine
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.