

## 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

<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	Liquid or Lyophilized powder
<b>EC Number</b>	EC 5.1.1.18
<b>CAS No.</b>	77114-08-0
<b>Molecular Weight</b>	52.6kDa
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Buffer</b>	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.
<b>Reaction</b>	L-serine = D-serine
<b>Notes</b>	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.