

PRODUCT SPECIFICATION

| | |
|-------------|---|
| Name | Acetyl Coenzyme A Synthetase (ACS) |
| Code | HE203AE |

RECEIVER INFORMATION

| | |
|----------------------------|--------------------------------|
| Storage Temperature | Below -20° C (up to 18 Months) |
| Storage Notes | N/A |

PRODUCT INFORMATION

| | |
|----------------------------|--|
| EC Number | 6.2.1.3 |
| Activity | ≥1.5U/mg |
| Molecular Weight | 64kDa |
| pI | 5.2 |
| Michaelis constant | 1.1×10 ⁻⁵ M (Palmitic acid), 1.7×10 ⁻⁴ M (ATP), 3.2×10 ⁻⁴ M (CoA) |
| Optimum pH | 8.0 |
| pH Stability | 6.5-7.5 |
| Optimum Temperature | 37 °C |
| Heated Characters | Below 50 °C |
| Inhibitor | Not inhibited by sodium azide |
| Unit Definition | One unit is defined as the amount of enzyme which oxidized 1 μ mol of CoASH to RCO-SCoA per minute at 37 °C. |

HEALTH AND SAFETY

| | |
|----------------|---|
| Warning | For in-vitro use and research or further processing only. |
|----------------|---|