

产品说明书

Product Specification

产品名称 Product Name	Acyl-CoA synthetase(ACS)
货号 Catalog Number	CSB-DE008
产品形态 Formation	White powder, lyophilized
来源 Source	Recombinant
EC 编号 EC Number	EC 6.2.1.3
CAS 编号 CAS Number	9013-18-7
存储条件 Storage	Store at $\leq -20\text{ }^{\circ}\text{C}$
有效期 Valid Period	$-20\text{ }^{\circ}\text{C}$ for 18 months
分子量 Molecular weight	77 kDa (SDS-PAGE)
最适 pH Optimum pH	7.5
最适温度 Optimum	$50\text{ }^{\circ}\text{C}$
pH 稳定性 pH Stability	6.5~7.5 ($25\text{ }^{\circ}\text{C}$, 18hr)
热稳定性 Thermal stability	$< 45\text{ }^{\circ}\text{C}$ (pH 7.5, 10min)
抑制剂 Inhibitors	Ag^+ , Hg^{2+} , Fe^{3+} , Zn^{2+} , Cu^{2+}
比活 Specific activity	$\geq 5\text{ U/mg-protein}$
活性定义 Unit definition	One unit will convert one micromole of fatty acid to acyl-CoA per min at pH 7.5 at $37\text{ }^{\circ}\text{C}$.
运用 Application	This enzyme has useful applications in the free fatty acids in blood.