

产品说明书

Product Specification

产品名称 Product Name	Acyl-CoA oxidase(ACO)
货号 Catalog Number	CSB-DE007
产品形态 Formation	Yellow powder, lyophilized
来源 Source	Recombinant
EC 编号 EC Number	EC 1.3.3.6
CAS 编号 CAS Number	61116-22-1
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	8.5
最适温度 Optimum temperature	37-40 $^{\circ}\text{C}$
pH 稳定性 pH Stability	6.0~8.5 (25 $^{\circ}\text{C}$, 15hr)
热稳定性 Thermal stability	< 45 $^{\circ}\text{C}$ (pH 7.5, 15min)
抑制剂 Inhibitors	Ag ⁺ , Hg ²⁺ , Zn ²⁺ , Cu ²⁺ , Ni ²⁺
比活 Specific activity	$\geq 30\text{ U/mg-protein}$
活性定义 Unit definition	One unit will convert one micromole of Acyl-CoA to trans-2,3-dehydroacyl-CoA per min at pH 7.5 at 37 $^{\circ}\text{C}$.
运用 Application	This enzyme has useful applications in the free fatty acids in blood.