Active Recombinant Oleate Hydratase

Cat. No. Oleate hydratase-01 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Oleate Hydratase was expressed in E. coli.
Source	E. coli
Description	Oleate hydratase (OhyA) is a bacterial flavoenzyme from Staphylococcus aureus that catalyzes the addition of water to fatty acid carbon–carbon double bonds. It plays a crucial role in inactivating antimicrobial unsaturated fatty acids, countering the host's innate immune response. Oleate hydratases are also of interest in industrial applications, particularly for producing high-value products like 10-hydroxy stearic acid, which can replace other chemicals in the chemical and pharmaceutical industries.
Form	White off powder
CAS No.	9073-51-2
Bio-activity	Specific Activity: 7.8 U/mg Protein Activity: 2.6 U/mg solid
Purity	> 95% by SDS-PAGE
Unit Definition	One unit (U) of activity was defined as the amount of enzyme required to produce 1.0μmol 10-hydroxystearic acid per minute under the described conditions
Storage	Store at 2-8 centigrade for at least 1 year.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Official Symbol	OhyA
Synonyms	Oleate hydratase; OhyA

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA