



## Product Information Sheet

### Human CES2 Bactosomes

Catalogue Number: CYP153  
Product Description: Human CES2 (carboxylesterase 2) expressed in *Escherichia coli*  
Amount: 1 mg protein  
Storage Buffer: 50 mM Tris-acetate (pH 7.6), 250 mM sucrose, 0.25 mM EDTA  
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.  
Intended Use: For laboratory (research) purposes only.

Batch Number: 153001  
Protein Concentration: 10 mg/ml

#### <sup>1</sup>CES Activity Data

Substrate: 4-nitrophenyl butyrate  
<sup>2</sup>Linear with time up to: 5 min  
<sup>3</sup>Linear with protein up to: 16 µg/ml  
V<sub>max</sub>: 1000 nmol/min/mg protein  
K<sub>m</sub>: 147 µM

Approved by \_\_\_\_\_

Date 17<sup>th</sup> April, 2009

#### Notes:

- <sup>1</sup>Unless otherwise stated, all assays are carried out at 30°C in 50 mM potassium phosphate buffer (pH 7.4)/acetonitrile, 98/2 (v/v).  
<sup>2</sup>Determined at 90 µM substrate, using a protein concentration of 5 µg/ml.  
<sup>3</sup>Determined at 90 µM substrate.

#### Safety Data

The toxicological properties of this reagent have not been investigated. Exercise due care when handling.

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