Cypex

Product Information Sheet

Human CES1 Bactosomes

Catalogue Number:	CYP152
Product Description:	Human CES1 (carboxylesterase 1) 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 -80ºC. Avoid frequent temperature changes. Thaw on ice.
Intended Use:	For laboratory (research) purposes only.

Batch Number:	INT042E4A
Protein Concentration:	10 mg/ml

[1]CES Activity Data

Substrate:	4-nitrophenyl butyrate
[2]Linear with time up to:	15 min
[3]Linear with protein up to:	40 µg/ml
V_{max}:	288 nmol/min/mg protein
K_m:	136 µM

Approved by _____ Date ____27th November, 2008____

Notes:
[1]Unless otherwise stated, all assays are carried out at 30ºC in 50 mM potassium phosphate buffer (pH 7.4)/acetonitrile, 98/2 (v/v).
[2]Determined at 90 µM substrate, using a protein concentration of 15 µg/ml.
[3]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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