Product Information Sheet

Human SULT1C4

Catalogue Number:	CYP108
Product Description:	*Escherichia coli* cytosolic fraction containing human SULT1C4 (see note 1, below)
Amount:	1 mg protein
Storage Buffer:	10 mM sodium phosphate (pH 7.4), 140 mM NaCl
Storage:	Store at -80ºC. Avoid frequent temperature changes. Thaw on ice.
Intended Use:	For laboratory (research) purposes only.

Batch Number:	INT044E6B
Protein Concentration:	10 mg/ml

[2]SULT Activity Data

Substrate:	4-methylumbelliferone
[3]Linear with time up to:	6 min
[4]Linear with protein up to:	2.5 µg/ml
V_{max}:	192 nmol/min/mg protein
K_m:	17 µM

Approved by _____ Date 30th November, 2009

Notes:
[1]In naming this enzyme, we have followed the nomenclature suggested by Blanchard, RL *et al*. [*Pharmacogenetics* **14** (2004): 199-211]. However, other groups may refer to this enzyme as SULT1C2.
[2]Unless otherwise stated, all assays are carried out at 37ºC in 50 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride, 10 mM dithiothreitol and 20 µM PAPS.
[3]Determined at 15 µM substrate, using a protein concentration of 1 µg/ml.
[4]Determined at 15 µM substrate, using an incubation time of 5 min.

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

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United States Patent Nos. 4,952,496, 5,693,489 and 5,869,320.