



## Product Information Sheet

### Human SULT1E1

Catalogue Number: CYP103  
Product Description: *Escherichia coli* cytosolic fraction containing human SULT1E1  
Amount: 1 mg protein  
Storage Buffer: 10 mM sodium phosphate (pH 7.4), 140 mM NaCl  
Storage: Store at -80°C. Avoid frequent temperature changes. Thaw on ice.  
Intended Use: For laboratory (research) purposes only.

Batch Number: INT044E1B  
Protein Concentration: 10 mg/ml

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

Substrate: 17 $\beta$ -estradiol (3-sulfate formation)  
<sup>2</sup>Linear with time up to: 12 min  
<sup>3</sup>Linear with protein up to: 30 ng/ml  
<sup>4</sup>V<sub>max</sub>: 84 nmol/min/mg protein  
K<sub>m</sub>: 6.0 nM

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

Date 28<sup>th</sup> April, 2017 \_\_\_\_\_

#### Notes:

<sup>1</sup>Unless otherwise stated, all assays are carried out at 37°C in 50 mM potassium phosphate buffer (pH 7.4) containing 5 mM magnesium chloride, 10 mM dithiothreitol and 20  $\mu$ M PAPS.

<sup>2</sup>Determined at 20 nM substrate, using a protein concentration of 25 ng/ml.

<sup>3</sup>Determined at 20 nM substrate, using an incubation time of 5 min.

<sup>4</sup>The purity of the PAPS cofactor can have a large effect on the measured activity of this enzyme. The PAPS used in the tests described on this data sheet came from a different supplier to that used on the previous version of the data sheet.

#### Safety Data

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

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