



## Product Information Sheet

### Human SULT2A1

Catalogue Number: CYP104  
Product Description: *Escherichia coli* cytosolic fraction containing human SULT2A1  
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: INT044E2B  
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: 15 min  
<sup>3</sup>Linear with protein up to: 60  $\mu$ g/ml  
 $V_{max}$ : 2.4 nmol/min/mg protein  
 $K_m$ : 3.8  $\mu$ M

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

Date 6<sup>th</sup> July 2020 \_\_\_\_\_

#### 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 1  $\mu$ M substrate, using a protein concentration of 12.5  $\mu$ g/ml.

<sup>3</sup>Determined at 1  $\mu$ M 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.

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