



Product Information Sheet

Human GSTA1

Catalogue Number: CYP120
Product Description: Human GSTA1 expressed in *Escherichia coli*
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: GSTA1001A
Protein Concentration: 10 mg/ml

¹GST Activity Data

Substrate: 1-chloro-2,4-dinitrobenzene (CDNB)
 V_{max} : 55 $\mu\text{mol}/\text{min}/\text{mg}$ protein
 2K_m (CDNB): 0.95 mM

Approved by _____

Date 4th June 2020 _____

Notes:

¹Unless otherwise stated, all assays are carried out at 37°C in 100 mM potassium phosphate buffer (pH 6.5) containing 1 mM reduced glutathione, at a protein concentration of 0.2 $\mu\text{g}/\text{ml}$, using a continuous spectrophotometric procedure.
 2K_m for reduced glutathione, based on average batch data, is approximately 0.15 mM.

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.