

**Product Specification Sheet**

Recombinant Human GST O1-1  
Product Number: GS75  
Aliquot: 100 µg  
Lot Number: gs75.181017  
Storage: -70°C

<b>CONCENTRATION:</b>	2.145 mg/mL total protein using the Bradford protein assay with BSA as a standard.
<b>ENZYMATIC ACTIVITY:</b>	The specific activity of this GST was not determined. This purified product exhibits negligible enzymatic activity for CDNB, the synthetic substrate that is most commonly used for GST analyses, but should exhibit activity for a range of other substrates. [see Board, P.G., <i>Drug Metabolism Reviews</i> , <b>43(2)</b> : 226-235 (2011)]
<b>STORAGE BUFFER:</b>	50 mM Tris-HCl (pH 7.5), 50 mM NaCl, 1 mM DTT, 1 mM EDTA and 50% glycerol.
<b>STORAGE:</b>	-70°C; <b>AVOID MULTIPLE FREEZE-THAW CYCLES.</b>
<b>PURITY:</b>	≥ 95% as assessed by inspection on a Coomassie® Blue-stained SDS-PAGE gel.
<b>MOLECULAR WEIGHT:</b>	26 kDa
<b>SOURCE:</b>	Recombinant His-tagged protein from the longest transcript of human GST O1-1, variant 1, expressed in <i>E. coli</i> .
<b>REFERENCES:</b>	Board, P.G., et al., <i>J. Biol. Chem.</i> , <b>275</b> : 24798-24806 (2000). Whitbread, K.A., et al., <i>Pharmacogenetics</i> , <b>13</b> : 131-144 (2003). Whitbread, K.A., et al., <i>Methods Enzymol</i> , <b>401</b> : 78-99 (2005). Board, P.G., <i>Drug Metabolism Reviews</i> , <b>43(2)</b> : 226-235 (2011)