

Product Specification Sheet

Recombinant Human GST O2-2
Product Number: GS76
Aliquot: 100 µg
Lot Number: gs76.140310
Storage: -70°C

CONCENTRATION:	0.440 mg/mL total protein using the Bradford protein assay with BSA as a standard.
ENZYMATIC ACTIVITY:	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> , 43(2) : 226-235 (2011)] GST O2-2 is known to have dehydroascorbate reductase activity [see Maellaro, E. et al., <i>Biochem J.</i> , 301 : 471-476 (1994)]
STORAGE BUFFER:	50 mM Tris-HCl (pH 7.5), 50 mM NaCl, 1 mM DTT, 1 mM EDTA and 50% glycerol.
STORAGE:	-70°C; AVOID MULTIPLE FREEZE-THAW CYCLES.
PURITY:	≥ 95% as assessed by inspection on a Coomassie® Blue-stained SDS-PAGE gel.
MOLECULAR WEIGHT:	26 kDa
SOURCE:	Recombinant His-tagged protein, expressed in <i>E. coli</i> .
REFERENCES:	Maellaro, E., et al., <i>Biochem J.</i> , 301 : 471-476 (1994) Board, P.G., <i>Drug Metabolism Reviews</i> , 43(2) : 226-235 (2011) Masoudi, M., et al., <i>Molecular Biology Reports</i> , 36 (4) : 791-784 (2009)