

Glutathione S-Transferase pi 1 Human Recombinant

Item Number	rAP-1972
Synonyms	Glutathione S-transferase P, GST class-pi, GSTP1-1, GSTP1, FAEES3, GST3, PI, DFN7.
Description	GSTP1 Human Recombinant fused with a 37 amino acids His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 247 amino acids (1-210 a.a.) and having a molecular mass of 27.6kDa. The GSTP1 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P09211
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMPP YTVVYFPVRG RCAALRMLLA DQGQSWKEEV VTVETWQEGS LKASCLYGQL PKFQDGD LTL YQSNTILRHL GRTLGLYGKD QQE-AALVDMV NDGVEDLRCK YISLIYTNYE AGKDDYVKAL PGQLKPFETL LSQNQGGKTF IVGDQISFAD YNLDDLIIH EVLAPGCLDA FPLLSAYVGR LSARPKLKAF LASPEYVNLP INGNKGKQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The GSTP1 solution contains 20mM Tris-HCl buffer (pH7.0), 30% glycerol, 1mM EDTA and 0.1mM PMSF. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is < 6.5 units/mg, and is defined as the amount of enzyme that conjugate 1.0 u mole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**