

Glutathione S-Transferase Alpha 4 Human Recombinant, Active

Item Number	rAP-2060
Synonyms	Glutathione S-transferase A4, GST class-alpha member 4, Glutathione S-transferase A4-4, GSTA4, GSTA4-4.
Description	GSTA4 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 246 amino acids (1-222) and having a molecular mass of 28.3kDa. GSTA4 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	O15217
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGSMAARPK LHYPNRGRM ESVRWVLAAG VVEFDEEFLE TKEQLYKLQD GNHLLFQQVP MVEIDGMKLV QTRSILHYIA DKHNLFGKNL KERTLIDMYV EGTLDLLELL IMHPFLKPDD QQKEVVNMAQ KAIRYFPVF EKILRGHGQS FLVGNQLSLA DVILLQTLA LEEKIPNILS AFPFLQEYTV KLSNIPTIKR FLEPGSKKKP PPDEIYVRTV YNIFRP.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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 GSTA4 solution (1mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 20% glycerol, 2mM DTT and 100mM NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 4,000 pmol/min/ug, 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**