

## Glutathione S-Transferase MU 3 Human Recombinant

<b>Item Number</b>	rAP-1998
<b>Synonyms</b>	Glutathione S-transferase mu 3 (brain), GST5, GSTM3-3, GST class-mu 3, GSTB, GTM3, brain type mu-glutathione S-transferase, glutathione S-aralkyltransferase M3, glutathione S-alkyltransferase M3, S-(hydroxyalkyl)glutathione lyase M3, EC 2.5.1.18.
<b>Description</b>	GSTM3 Recombinant produced in E. coli is a single polypeptide chain containing 249 amino acids (1-225) and having a molecular mass of 29.1kDa. GSTM3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P21266
<b>Amino Acid Sequence</b>	MGSSHHHHH SSGLVPRGSH MGSHMCESS MVLGYWDIRG LAHAIRLLE FTDTSYEEKR YTCGEAPDYD RSQWLDVKFK LDLDLFPNLPY LLDGKNKITQ SNAILRYIAR KHNMCGETEE EKIRVDIEN QVMDFRTQLI RLCYSSDHEK LKPQYLEELP GQLKQFSMFL GKFSWFAGEK LTFVDFTYD ILDQN- RIFDP KCLDEFPNLK AFMCRFEALE KIAAYLQSDQ FCKMPINNKM AQWGNKPV
<b>Source</b>	E.coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	The GSTM3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	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**