

## 32-2411: GSTM4 Recombinant Protein

**Alternative Name :** Glutathione S-transferase Mu 4, EC=2.5.1.18, GST class-mu 4, GST-Mu2, GSTM4-4, GSTM4, GTM4, GSTM4-4, MGC9247, MGC131945.

### Description

Source : Escherichia Coli. GSTM4 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 238 amino acids (1-218 a.a.) and having a molecular mass of 27.7 kDa. The GSTM4 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. GSTM4 is part of the glutathione s-transferase (GST) family of proteins. There are eight families of GST proteins, namely alpha, kappa, mu, omega, pi, sigma, theta and zeta, each of which is composed of proteins that have a variety of functions throughout the cell. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** GSTM4 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.05M NaCl & 10% glycerol.  
**Storage condition :** GSTM4 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MSMTLGYWDI RGLAHAIRLL LEYTDSSYEE KKYTMGDAPD  
YDRSQWLNEK FKLGLDFPNL PYLIDGAHKI TQSNAILCYI ARKHNLGET EEEKIRVDIL ENQAMDVSNQ  
LARVCYSPDF EKLKPEYLEE LPTMMQHFSQ FLGKRPWFVG DKITFVDFLA YDVLDLHRIF EPNCLDAFPN  
LKDFISRFEG LEKISAYMKS SRFLPKPLYT RVAVWGNK.