

GSTM4 Human

Description: 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.

Catalog #: ENPS-499

For research use only.

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

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSMTLGWYDI RGLAHAIRLL
LEYTSSYEE KKYTMGDAPDYDRSQWLNEK FKLGLDFPNL PYLIDGAHKI TQSNAILCYI
ARKHNLCGET EEEKIRVDIL ENQAMDVSQ LARVCYSPDF EKLKPEYLEE LPTMMQHFSQ
FLGKRPWFVG DKITFVDFLA YDVLDLHRIF EPNCLDAFPN LKDFISRFEG LEKISAYMKS
SRFLPKPLYT RVA

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

GSTM4 Human solution containing 20mM Tris-HCl pH-8, 1mM DTT, 0.05M NaCl & 10% glycerol.

Stability:

GSTM4 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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