

AR09587PU-L**Human GSTM4 (1-218, His-tag) - Purified****Alternate names:**

GST class-mu 4, GSTM4-4, Glutathione S-transferase Mu 4

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Glutathione S-transferase Mu 4 isoform 1, also known as GSTM4, is member 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.

Uniprot ID:[Q03013](#)**NCBI:**[NP_000841](#)**GeneID:**[2948](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 50 mM NaCl**Description:**

Recombinant human GSTM4 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MSMTLGWYDI RGLAHAIRLL LEYTDSSYEE KKYTMGDAPD
YDRSQWLNEK FKLGLDFPNL PYLIDGAHKI TQSNAILCYI ARKHNLGGET EEEKIRVDIL
ENQAMDVSNQ LARVCYSPDF EKLKPEYLEE LPTMMQHFSQ FLGKRPWFVG DKITFVDFLA
YDVLDLHRIF EPNCLDAFPN LKDFISRFEG LEKISAYMKS SRFLPKPLYT RVAVWGNK

Molecular weight: 27.7 kDa (238aa) confirmed by MALDI-TOF**Storage:**

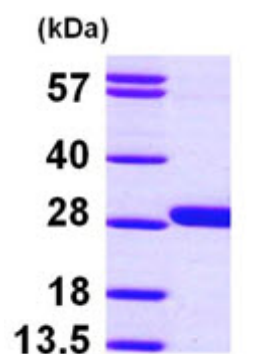
Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

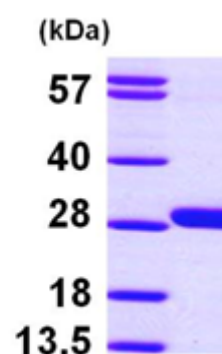
Shelf life: one year from despatch.

Pictures:

Recombinant human GSTM4, 1- 218 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)