

AR09666PU-L**Human GSTM2 / GST4 (1-218, His-tag) - Purified****Alternate names:**

GST class-mu 2, GSTM2-2, Glutathione S-transferase Mu 2

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

GSTM2, also known as Glutathione S-transferase Mu 2, 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:[P28161](#)**NCBI:**[NP_000839](#)**GeneID:**[2946](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 1mM DTT**Description:**

Recombinant human GSTM2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MPMTLGYWNI RGLAHSIRLL LEYTDSSYEE KKYTMGDAPD
YDRSQWLNEK FKLGLDFPNL PYLIDGTHKI TQSNAILRYI ARKHNLCGES EKEQIREDIL
ENQFMDSRMQ LAKLCYDPDF EKLKPEYLQA LPEMLKLYSQ FLGKQPWFLG DKITFVDFIA
YDVLERNQVF EPSCLDAFPN LKDFISRFEG LEKISAYMKS SRFLPRPVFT KMAVWGK

Molecular weight: 27.9 kDa (238aa), confirmed by MALDI-TOF**Storage:**

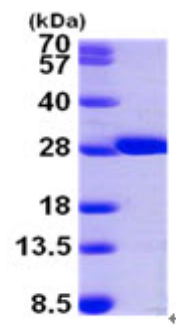
Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

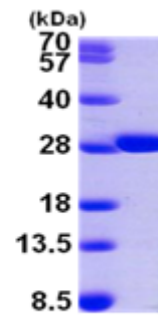
Shelf life: one year from despatch.

Pictures:

Recombinant human GSTM2, 1-218 aa,
His-tagged



15% SDS-PAGE (3ug)



15% SDS-PAGE (3ug)