

[Go to Product page](#)

Datasheet for ABIN7317428

GSTM2 Protein (GST tag,His tag)

Overview

Quantity:	100 µg
Target:	GSTM2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSTM2 protein is labelled with GST tag,His tag.

Product Details

Purpose:	Recombinant Human GSTM2/GST4 Protein (His Tag)
Sequence:	Met 1-Lys 218
Characteristics:	A DNA sequence encoding the native human GSTM2 (P28161) (Met 1-Lys 218) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.

Target Details

Target:	GSTM2
Alternative Name:	GSTM2/GST4 (GSTM2 Products)
Background:	Background: Glutathione S-transferase Mu 2, also known as GST class-mu 2, GSTM2-2 and GSTM2, is a cytoplasm protein which belongs to the GST superfamily and Mu family. GSTM2 / GST4 contains one GST C-terminal domain and one GST N-terminal domain. The glutathione S-transferases (GSTs) are a multigene family of enzymes largely involved in the detoxification of

Target Details

chemicals. Eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. Butyrate, an important luminal component produced from fermentation of dietary fibers, is an efficient inducer of GSTs and especially of GSTM2. Butyrate may act chemoprotectively by increasing detoxification capabilities in the colon mucosa.

Synonym: GST4;GSTM;GSTM2-2;GTHMUS

Molecular Weight: 27.2 kDa

UniProt: [P28161](#)

Pathways: [Negative Regulation of Transporter Activity](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 150 mM NaCl, 10 mM CaCl₂, 0.05 % Brig-35, pH 7.5

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.