10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GSTM4 Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20566a

Specification

GSTM4 Blocking Peptide (N-term) - Product Information

Primary Accession	Q03013
Other Accession	P46439, Q9TSM4, P28161, P04905, Q9TSM5, P09488, Q9N0V4

GSTM4 Blocking Peptide (N-term) - Additional Information

Gene ID 2948

Other Names
Glutathione S-transferase Mu 4, GST class-mu 4, GST-Mu2, GSTM4-4, GSTM4

Target/Specificity
The synthetic peptide sequence is selected from aa 36-50 of HUMAN GSTM4

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GSTM4 Blocking Peptide (N-term) - Protein Information

Name GSTM4

Function
Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles (PubMed:8203914, PubMed:8373352). Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 (PubMed:27791009). Can also catalyzes the transfer of a glutathionyl group from glutathione (GSH) to 13(S),14(S)-epoxy-docosahexaenoic acid to form maresin conjugate in tissue regeneration 1 (MCTR1), a bioactive lipid mediator that possess potent anti-inflammatory and proresolving actions (PubMed:27791009).

Cellular Location
Cytoplasm.

Tissue Location
Expressed in a wide variety of tissues.

GSTM4 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GSTM4 Blocking Peptide (N-term) - Images

GSTM4 Blocking Peptide (N-term) - Background

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Active on 1- chloro-2,4-dinitrobenzene.

GSTM4 Blocking Peptide (N-term) - References

Comstock K.E.,et al.J. Biol. Chem. 268:16958-16965(1993).
Zhong S.,et al.Biochem. J. 291:41-50(1993).
Ross V.L.,et al.Biochem. J. 294:373-380(1993).
Denson J.,et al.Gene 379:148-155(2006).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.