

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](#), [Q9NOV4](#)**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](http://www.uniprot.org/citations/8203914), PubMed: [8373352](http://www.uniprot.org/citations/8373352)). Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4 (PubMed: [27791009](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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.