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GLRX5 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20754c

Specification

GLRX5 Blocking Peptide (Center) - Product Information

Primary Accession	Q86SX6
Other Accession	Q80Y14

GLRX5 Blocking Peptide (Center) - Additional Information

Gene ID 51218

Other Names
Glutaredoxin-related protein 5, mitochondrial, Monothiol glutaredoxin-5, GLRX5, C14orf87

Target/Specificity
The synthetic peptide sequence is selected from aa 93-107 of HUMAN GLRX5

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.

GLRX5 Blocking Peptide (Center) - Protein Information

Name GLRX5

Synonyms C14orf87

Function
Monothiol glutaredoxin involved in mitochondrial iron-sulfur (Fe/S) cluster transfer (PubMed:20364084, PubMed:23615440). Receives 2Fe/2S clusters from scaffold protein ISCU and mediates their transfer to apoproteins, to the 4Fe/FS cluster biosynthesis machinery, or export from mitochondrion (PubMed:20364084, PubMed:23615440, PubMed:24334290). Required for normal regulation of hemoglobin synthesis by the iron- sulfur protein ACO1 (PubMed:20364084).

Cellular Location

Mitochondrion matrix

GLRX5 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

GLRX5 Blocking Peptide (Center) - Images

GLRX5 Blocking Peptide (Center) - Background

Monothiol glutaredoxin involved in the biogenesis of iron-sulfur clusters. Required for normal iron homeostasis. Required for normal regulation of hemoglobin synthesis by the iron-sulfur protein ACO1.

GLRX5 Blocking Peptide (Center) - References

Wingert R.A.,et al.Nature 436:1035-1039(2005).
Wingert R.A.,et al.Nature 437:920-920(2005).
Kurosawa N.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Li W.B.,et al.Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.