

**SLC25A32 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18391c****Specification**

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**SLC25A32 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9H2D1](#)**SLC25A32 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 81034**Other Names**

Mitochondrial folate transporter/carrier, Solute carrier family 25 member 32, SLC25A32, MFT, MFTC

**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.

**SLC25A32 Antibody (Center) Blocking Peptide - Protein Information****Name** SLC25A32 {ECO:0000303|PubMed:26933868, ECO:0000312|HGNC:HGNC:29683}**Function**

Facilitates flavin adenine dinucleotide (FAD) translocation across the mitochondrial inner membrane into the mitochondrial matrix where it acts as a redox cofactor to assist flavoenzyme activities in fundamental metabolic processes including fatty acid beta-oxidation, amino acid and choline metabolism as well as mitochondrial electron transportation. In particular, provides FAD to DLD dehydrogenase of the glycine cleavage system, part of mitochondrial one-carbon metabolic pathway involved in neural tube closure in early embryogenesis.

**Cellular Location**

Mitochondrion inner membrane; Multi-pass membrane protein

**Tissue Location**

Ubiquitous.

**SLC25A32 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **SLC25A32 Antibody (Center) Blocking Peptide - Images**

#### **SLC25A32 Antibody (Center) Blocking Peptide - Background**

Folate metabolism is distributed between the cytosolic and mitochondrial compartments. SLC25A32 is a transporter that shuttles folates from the cytoplasm into mitochondria (Titus and Moran, 2000[PubMed 10978331]).

#### **SLC25A32 Antibody (Center) Blocking Peptide - References**

Hull, M.L., et al. Fertil. Steril. 91 (6), 2732 (2009) :Titus, S.A., et al. J. Biol. Chem. 275(47):36811-36817(2000)