

SLC25A37 Protein, Human (Sf9, His, MBP, FLAG)

Cat. No.:	HY-P702044
Synonyms:	SLC25A37; Mitoferrin-1; Mitochondrial iron transporter 1; Mitochondrial solute carrier protein; Solute carrier family 25 member 37
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9NYZ2 (E2-Y338)
Gene ID:	51312
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	SLC25A37 protein is a mitochondrial iron transporter with a specific function in facilitating iron uptake in developing erythroid cells. This transporter plays a crucial and dedicated role in the process of heme biosynthesis. By mediating the transport of iron into the mitochondria of erythroid cells, SLC25A37 contributes to the synthesis of heme, an essential component involved in various biological processes, particularly in the formation of hemoglobin. The specialized function of SLC25A37 underscores its significance in supporting the maturation of erythroid cells and ensuring the proper production of heme, which is vital for the formation and function of red blood cells.
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Caution: Product has not been fully validated for medical applications. For research use only.

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