

Recombinant Human SLC25A3

Cat. No. SLC25A3-31414TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC25A3 with N terminal proprietary tag; Predicted MWt 65.45 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	361 amino acids
Description	The protein encoded by this gene catalyzes the transport of phosphate into the mitochondrial matrix, either by proton cotransport or in exchange for hydroxyl ions. The protein contains three related segments arranged in tandem which are related to those found in other characterized members of the mitochondrial carrier family. Both the N-terminal and C-terminal regions of this protein protrude toward the cytosol. Multiple alternatively spliced transcript variants have been isolated.
Molecular Weight	65.450kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MFSSVAHLARANPFNTPHLQLVHDGLGDLRSSSPGPTGQP RRPRNLAAA AVEEYS
CEFGSAKYYALCGFGGVLSCLTHT AVVPLDLVKCRMQVDPQKYKGIFNGFSVTLK
EDGVRGLAK GWAPTFLGYSMQGLCKFGFYEVFKVLYSNMLGEENTYLWR TSLYL
AASASAEFFADIALAPMEAAKVRIQTQPGYANTLR DAAPKMYKEEGLKAFYKGVAPL
WMRQIPYTMKMFACCERT VEALYKFVVPKPRSECSKPEQLVVTFVAGYIAGVFCAI
VS HPADSVVSVLNKEKGSSASLVKRLGFKGVWKGLFARIIM IGTLTALQWFIYDSV
KVYFRLPRPPPPPEMPESLKKKLGLT Q

Sequence Similarities

Belongs to the mitochondrial carrier family. Contains 3 Solcar repeats.

GENE INFORMATION

Gene Name

SLC25A3 solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3
[Homo sapiens]

Official Symbol

SLC25A3

Synonyms

SLC25A3; solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3; PHC; phosphate carrier protein, mitochondrial;

Gene ID

5250

mRNA Refseq

NM_002635

Protein Refseq

NP_002626

MIM

600370

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Uniprot ID	Q00325
Chromosome Location	12q23
Pathway	C-MYB transcription factor network, organism-specific biosystem;
Function	phosphate ion carrier activity; symporter activity;

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