

Recombinant Human SLC25A3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC25A3-6671H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC25A3 MS Standard C13 and N15-labeled recombinant protein (NP_005879) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 Mass	40.09 kDa
AA Sequence	MFSSVAHLARANPFNTPHLQLVHDGLGDLRSSSPGPTGQPRRPRNLAAA VEEQY SCDYGSGRFFILCGLGGIISCGTTHTALVPLDLVKCRMQVDPQKYKGIFNGFSVTLKE DGVRLAKGWAPTFLGYSMQGLCKFGFYEVFKVLYSNMLGEENTYLRWRTSLYLAA SASAEFFADIALAPMEAAKVRIQTQPGYANTLRDAAPKMYKEEGLKAFYKGVAPLW MRQIPYTMMKFACFERTVEALYKFVVPKPRSECSKPEQLVVTFFVAGYIAGVFCAIVS HPADSVVSVLNKEKGSSASLVLRGLGFKGVWKGLFARIIMIGTLTALQWFIYDSVKVY FRLPRPPPEMPESLKKKLGLTQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SLC25A3 solute carrier family 25 member 3 [Homo sapiens (human)]
Official Symbol	SLC25A3
Synonyms	SLC25A3; solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3; PHC; phosphate carrier protein, mitochondrial; phosphate transport protein; solute carrier family 25 member 3; mitochondrial phosphate carrier protein; PTP; OK/SW-cl.48;
Gene ID	5250
mRNA Refseq	NM_005888
Protein Refseq	NP_005879
MIM	600370
UniProt ID	Q00325

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SDS-PAGE

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