



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### SLC25A14 (Human) Recombinant Protein (P01)

**Catalog Number:** H00009016-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human SLC25A14 full-length ORF ( NP\_003942.1, 1 a.a. - 325 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGIFPGIILIFLRVKFATAAVIVSGHQKSTTVSHEMSGLN  
WKPFVYGGASIVAEFGTFPVDLTKTRLQVQGQSIDAR  
FKEIKYRGMFHALFRICKEEGLALYSGIAPALLRQASY  
GTIKIGIYQSLKRLFVERLEDETLINMICGVVSGVISSTI  
ANPTDVLKIRMQAQGSLSFGSMIGSFIDIYQQEGTRGL  
WRGVVPTAQRAAIVVGVLPVYDITKKHLILSGMMGDT  
ILTHFVSSFTCGLAGALASNPVDVVRTRMMNQRAIVG  
HVDLYKGTVDGILKMWKHEGFFALYKGFWPNWLRRLG  
PWNIIFFITYEQLKRLQI

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 62.6

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 9016

**Gene Symbol:** SLC25A14

**Gene Alias:** BMCP1, MGC149543, UCP5

**Gene Summary:** Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H<sup>+</sup>/OH<sup>-</sup> are not known. UCPs contain the three homologous protein domains of MACPs. This gene is widely expressed in many tissues with the greatest abundance in brain and testis. The gene product has an N-terminal hydrophobic domain that is not present in other UCPs. Two splice variants have been found for this gene. [provided by RefSeq]