



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### SLC11A1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00006556-P01

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

**Product Description:** Human SLC11A1 full-length ORF (AAH41787.1, 1 a.a. - 178 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTGDKGPQRLSGSSYGSISSPTSPTSPGPQQAPPRET  
YLRNIESDLQAGAVAGFKLLWVLLWATVLGLLCQRLAA  
RLGVVTGKDLGEVCHLYYPKVPRTVLWLTIELAIVGSD  
MQEIVGTAIAFNLLSAGRYHPSVQLFRPGREQLLLLP  
PLTSPSQSLFYPAVPSEAGLLPCFPEM

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

**Theoretical MW (kDa):** 45.6

**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:** 6556

**Gene Symbol:** SLC11A1

**Gene Alias:** LSH, NRAMP, NRAMP1

**Gene Summary:** This gene is a member of the solute carrier family 11 (proton-coupled divalent metal ion transporters) family and encodes a multi-pass

membrane protein. The protein functions as a divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Mutations in this gene have been associated with susceptibility to infectious diseases such as tuberculosis and leprosy, and inflammatory diseases such as rheumatoid arthritis and Crohn disease. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined. [provided by RefSeq]