

# Recombinant Full Length Human SLC13A3 Protein, GST-tagged

**Cat. No.** SLC13A3-6818HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC13A3 Full-Length ORF Protein (1-602 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 602 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | Mammalian sodium-dicarboxylate cotransporters transport succinate and other Krebs cycle intermediates. They fall into 2 categories based on their substrate affinity: low affinity and high affinity. Both the low- and high-affinity transporters play an important role in the handling of citrate by the kidneys. The protein encoded by this gene represents the high-affinity form. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, although the Full-Length nature of some of them have not been characterized yet. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 93.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MAALAAAAKKVWSARRLLVLLFTPLALLPVVFALPPKEGRCLFVILLMAVYWCTEALP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

LSVTALLPIVLFPFMGILPSNKVCPQYFLDTNFLFLSGLIMASAIIEEWNLHRRIALKILM  
 LVGVQPARLILGMMVTTSFLSMWLSNTASTAMMLPIANAILKSLFGQKEVRKDPSQE  
 SEENTAARRRNLHTVPTEMQFLASTEAKDHPGETEVPLDLPADSRKEDEYRRNIW  
 KGFLISIPYSASIGGTATLTGTAPNLILLGQLKSFFPQCDVVNFGSWFIFAFPLMLLFL  
 AGWLWISFLYGGLSFRGWRKNKSEIRTN AEDRARAVIREEYQNLGPIKFAEQAVFILF  
 CMFAILLFTRDPKFIPGWASLFNPGFLSDAVTGVAIVTILFFFPSQRPSLKWWFDFKA  
 PNTETEPLLTWKKAQETVPWNIILLGGGFAMAKGCEESGLSVWIGGQLHPLENVPP  
 ALAVLLITVVIAFFTEFASNTATIIIFLPVLAELAIRLRVHPLYLMIPGTVGCSFAFMLPVS  
 TPPNSIAFASGHLLVKDMVRTGLLMNLMGVLLLSLAMNTWAQTIFQLGTFPDWADM  
 YSVNVTALPPTLANDTFRTL

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Notes**

Best use within three months from the date of receipt of this protein

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

SLC13A3 solute carrier family 13 (sodium-dependent dicarboxylate transporter),  
 member 3 [ Homo sapiens ]

**Official Symbol**

SLC13A3

**Synonyms**

SLC13A3; NADC3; SDCT2; hNaDC3; naDC-3;

**Gene ID**

64849

**mRNA Refseq**

NM\_001011554

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|                |              |
|----------------|--------------|
| Protein Refseq | NP_001011554 |
| MIM            | 606411       |
| UniProt ID     | Q8WWT9       |

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