

## Recombinant Human SLC22A11 protein, His & T7-tagged

Cat. No. SLC22A11-1683H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| <b>Product Overview</b> | Recombinant Human SLC22A11 aa. (Met1~Asp254 (Accession # Q9NSA0)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Met1~Asp254                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene is involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and is found mainly in the kidney and in the placenta, where it may act to prevent potentially harmful organic anions from reaching the fetus. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 31.3kDa                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                                                                                                |

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>         | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>           | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Storage buffer</b>    | Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.                                                                                                                                                                                         |
| <b>Reconstitution</b>    | Reconstitute in sterile ddH <sub>2</sub> O.                                                                                                                                                                                                                                                                                         |
| <b>Isoelectric Point</b> | 8.6                                                                                                                                                                                                                                                                                                                                 |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">SLC22A11 solute carrier family 22 member 11 [ Homo sapiens (human) ]</a>                                                                                                                                                  |
| <b>Official Symbol</b> | <a href="#">SLC22A11</a>                                                                                                                                                                                                              |
| <b>Synonyms</b>        | SLC22A11; solute carrier family 22 member 11; OAT4; hOAT4; organic anion transporter 4; solute carrier family 22 (organic anion/cation transporter), member 11; solute carrier family 22 (organic anion/urate transporter), member 11 |
| <b>Gene ID</b>         | <a href="#">55867</a>                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | <a href="#">NM_001307985.1</a>                                                                                                                                                                                                        |
| <b>Protein Refseq</b>  | <a href="#">NP_001294914.1</a>                                                                                                                                                                                                        |

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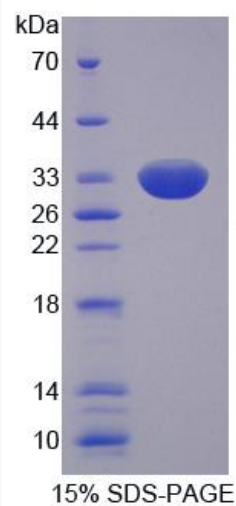
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UniProt ID

Q9NSA0

SDS-PAGE



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