

# Recombinant Human SLC14A1 Protein, His-tagged, OVA Conjugated

**Cat. No.** SLC14A1-2833H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | OVA Conjugated Recombinant Human SLC14A1 Protein () fused with a N-His tag.                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Protein Conjugation                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene is a membrane transporter that mediates urea transport in erythrocytes. This gene forms the basis for the Kidd blood group system.                                                                                                                                                                          |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 1.9 kDa                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | CTMVRVDSPTMVRGENQ                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                     |
| <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 centigrade 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. |

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|-----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                      |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                                               |
| <b>Conjugation</b>    | OVA                                                                                                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLC14A1 solute carrier family 14 member 1 (Kidd blood group) [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                                 |
| <b>Official Symbol</b> | SLC14A1                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | SLC14A1; solute carrier family 14 member 1 (Kidd blood group); JK; UT1; UTE; HUT11; Jk(a); Jk(b); RACH1; RACH2; UT-B1; HUT11A; HsT1341; urea transporter 1; Kidd blood group antigen; SLC14A1 JK; mutant KIDD blood group antigen; solute carrier family 14 (urea transporter), member 1 (Kidd blood group); truncated Kidd blood group antigen; urea transporter JK glycoprotein; urea transporter, erythrocyte; urea transporter-B1 |
| <b>Gene ID</b>         | 6563                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_015865                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_056949                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>             | 613868                                                                                                                                                                                                                                                                                                                                                                                                                                |

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