

## Recombinant Human SLC34A2 Protein (Met1-Leu104), N-His tagged

Cat. No. SLC34A2-5411H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant human SLC34A2/NaPi3b (Met1-Leu104) fused with the N-His tag was expressed in E. coli.                                                                                                                                                                                                     |
| Species          | Human                                                                                                                                                                                                                                                                                                 |
| Source           | E.coli                                                                                                                                                                                                                                                                                                |
| ProteinLength    | Met1-Leu104                                                                                                                                                                                                                                                                                           |
| Description      | The protein encoded by this gene is a pH-sensitive sodium-dependent phosphate transporter. Phosphate uptake is increased at lower pH. Defects in this gene are a cause of pulmonary alveolar microlithiasis. Three transcript variants encoding two different isoforms have been found for this gene. |
| Form             | Lyophilized powder/frozen liquid                                                                                                                                                                                                                                                                      |
| Molecular Mass   | 13.78 kDa                                                                                                                                                                                                                                                                                             |
| Purity           | > 90 % as determined by SDS-PAGE                                                                                                                                                                                                                                                                      |
| Notes            | For research use only.                                                                                                                                                                                                                                                                                |
| Storage          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the                                                                                                                                |

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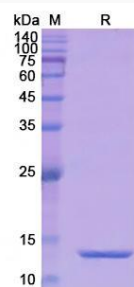
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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | date of receipt.                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer</b>   | 0.01M PBS, pH 7.4, 0.02 % NLS                                                                                                                                                                                                                                                                                                                                   |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                                                                                                                                             |
| <b>Shipping</b>         | They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Name</b>        | SLC34A2 solute carrier family 34 member 2 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                              |
| <b>Official Symbol</b>  | SLC34A2                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>         | SLC34A2; solute carrier family 34 member 2; PULAM; NPT11b; NaPi2b; NAPI-3B; NAPI-11b; sodium-dependent phosphate transport protein 2B; sodium/phosphate cotransporter 2B; solute carrier family 34 (sodium phosphate), member 2; solute carrier family 34 (type II sodium/phosphate cotransporter), member 2; type II sodium-dependent phosphate transporter 3b |
| <b>Gene ID</b>          | 10568                                                                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_006424                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>   | NP_006415                                                                                                                                                                                                                                                                                                                                                       |
| <b>MIM</b>              | 604217                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>       | O95436                                                                                                                                                                                                                                                                                                                                                          |

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**SDS-PAGE**

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